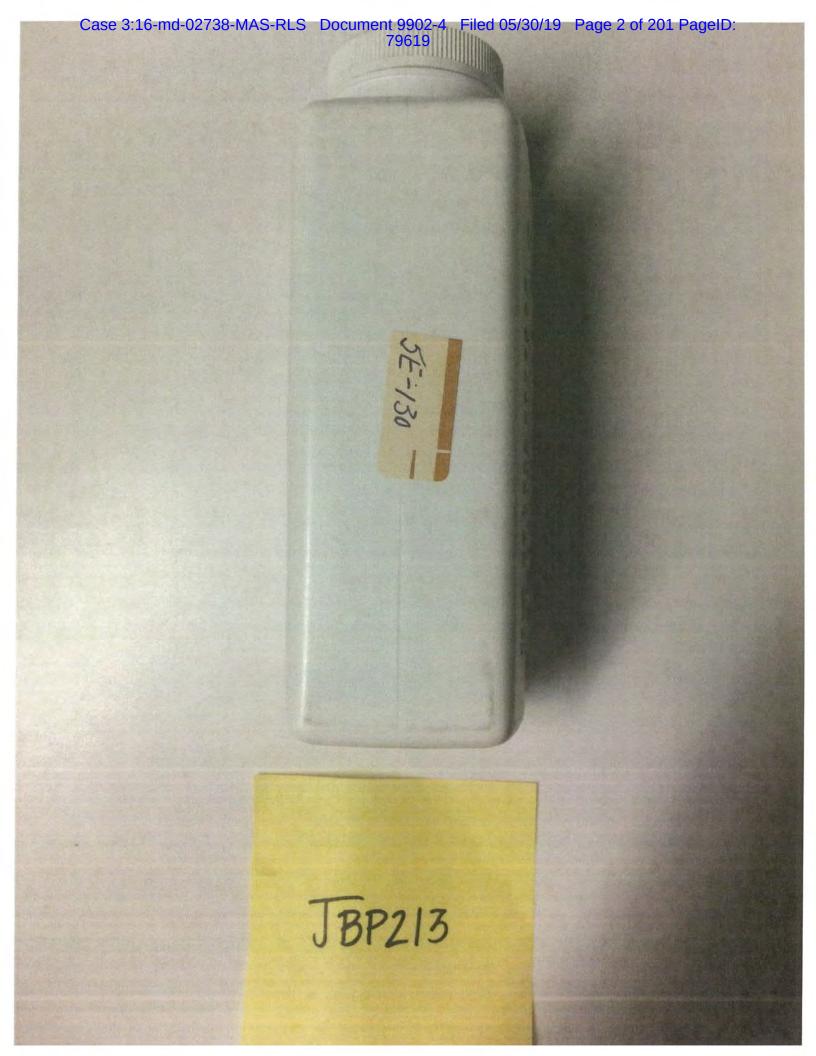
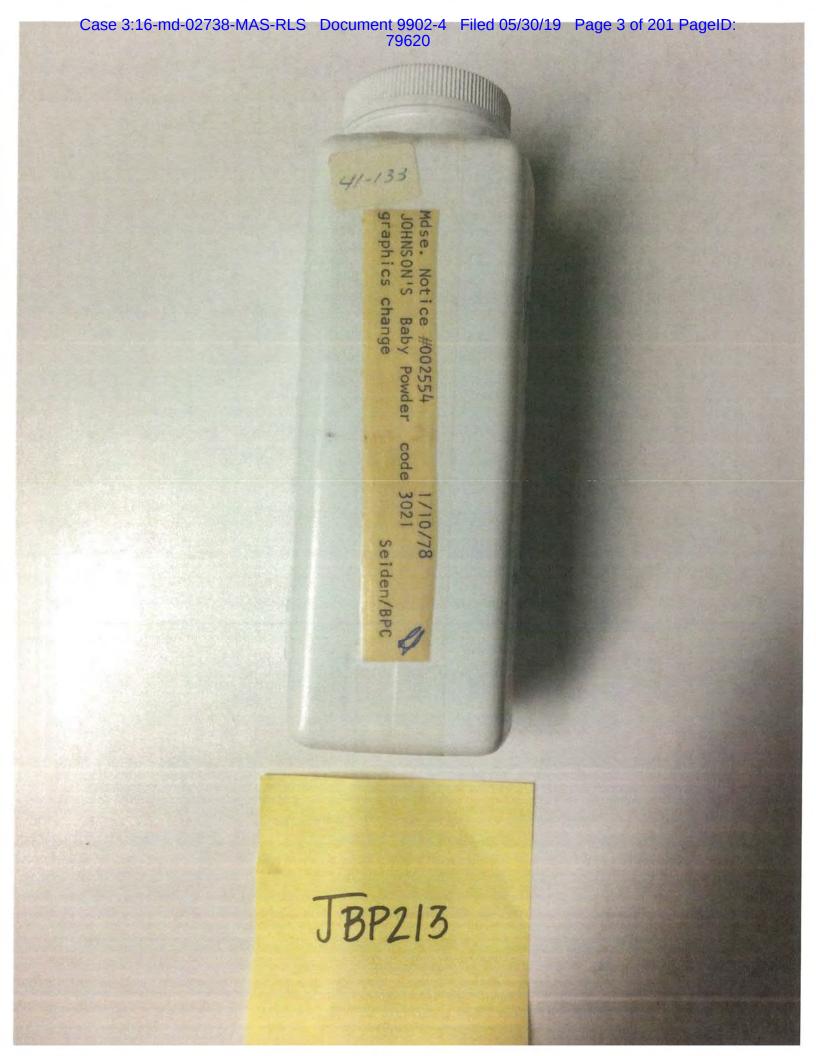
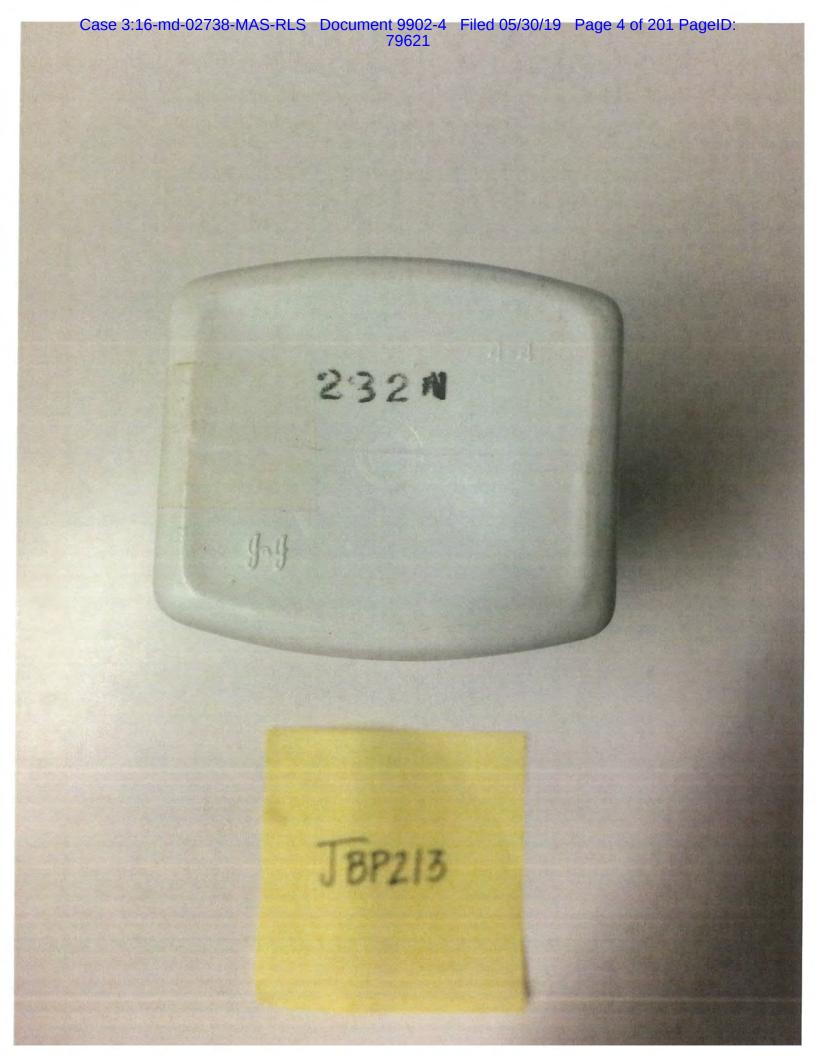
## Exhibit 67-E







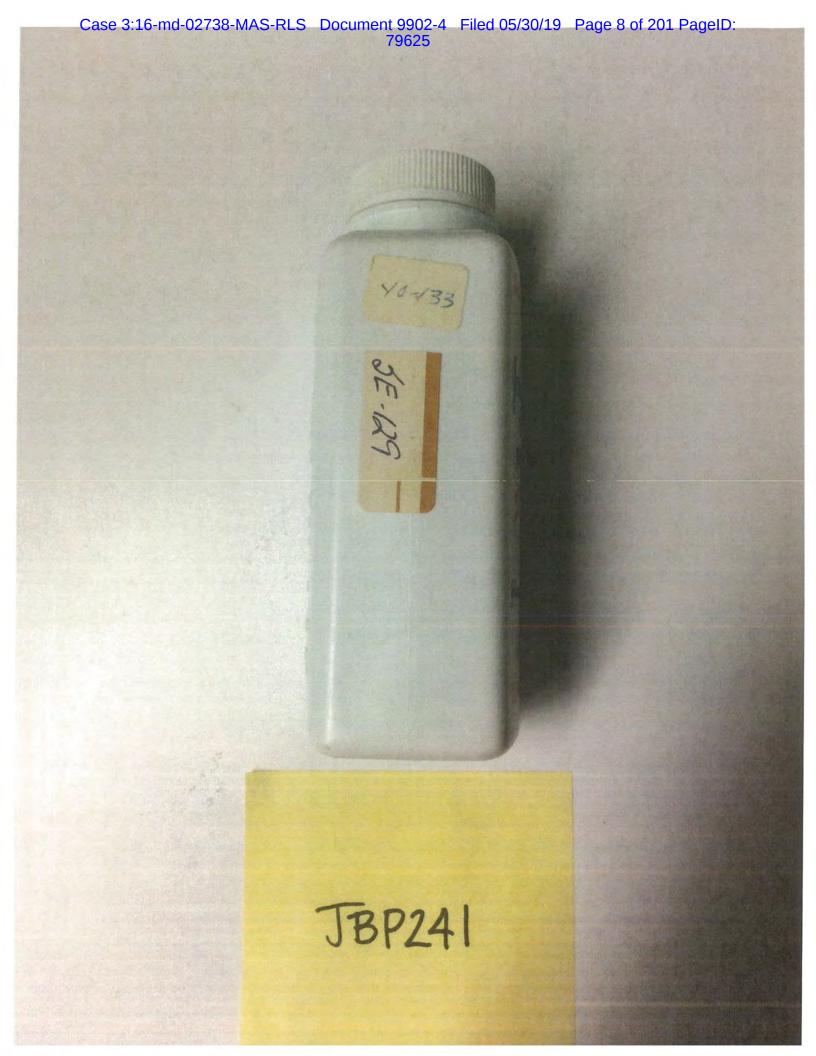
## IN RE JOHNSON & JOHNSON TALCUM POWDER PRODUCTS MARKETING, SALES PRACTICES, AND PRODUCTS LIABILITY LITIGATION MDL NO. 16-2738 (FLW) (LHG)

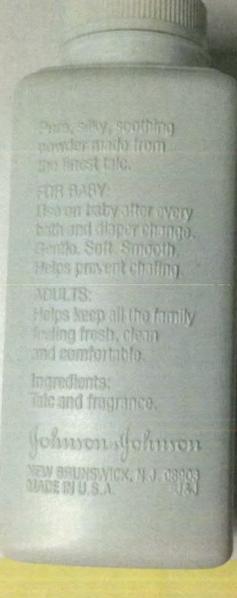
# JOINT CATALOGUE

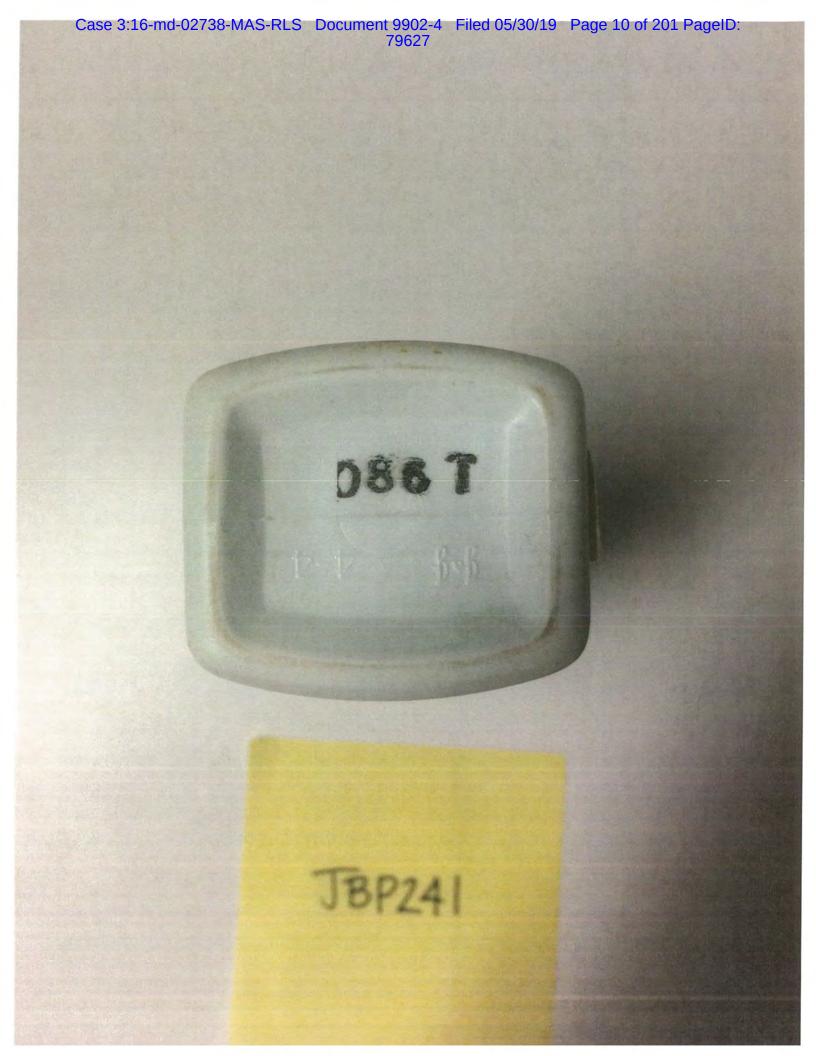
QUANTITY IN ORIGINAL CONTAINER OR NEW RECEPTACLE AFTER DIVISION	S	1	~ 1.46 OZ.	MATUKED	N 0.460€.	* 20180056-34 A will be held at the	I huther anargements	Jove made by	INE MINE PEC. (AMIK)		×
ACTUAL QUANTITY IN ORIGINAL CONTAINER	~4.11.02.					110056-34	Hun myerage	or its delivery	IN MINE		
QUANTITY ON LABEL OF ORIGINAL CONTAINER	4 oz.						<u> </u>			180056-34.	
DATE ON ORIGINAL CONTAINER	1978					nal Sample 2013		nal Sample 2018		ginal Sample 20	-34 was 6-34C).
LABEL ON ORIGINAL CONTAINER	Johnson's baby powder					Observer for plaintiffs hereby seknowledges receipt of 20180056-34A, ~ 0.12 02. of original Sample 20180056-34.	113/18 Date	30056-34D, A	7   13   18 (weight) Date	Observer for defendants hereby acknowledges receipt of 20180056-34B, $\sim  .46 \text{ 02}.$ of original Sample 20180056-34.  T/13/18 (weight)  Date	Laboratory technician hereby acknowledges that all remaining material from Sample 20180056-34 was (check one): & replaced in its original container      transferred to a new receptacle (20180056-34C).
SAMPLE IDENTIFICATION NO.	JBP241					ntiffs hereby acknowledge	ntiffs hadh	Observer for plaintiffs hereby seknowledges receipt of 2018	Show British	ndants hereby acknowled	Laboratory technician hereby acknowledges that a (check one): & replaced in its original container
LABORATORY CONTROL NO.	20180056-34	20180056-34A	20180056-34B	20180056.346	20180056-34D	Observer for plain	Observerfor Plaintiffs	Observer for plain	Observer for Plaintiff	Observer for defendants	Laboratory technician (check one): & replac

This form is an Exhibit to the Agreed Order and Stipulation Regarding the Johnson & Johnson Defendants' Production of Talcum Powder Products and Talc Samples ("Agreed Order"). Terms used herein have the same meaning as defined in the Agreed Order. The instant form has been adapted for use in connection with the division of Samples JBP092, JBP110, JBP111, JBP188, JBP209, JBP213, JBP238, JBP241 and 2014.001.5102. Case 3:16-md-02738-MAS-RLS Document 9902-4 Filed 05/30/19 Page 6 of 201 PageID: 79623









## IN RE JOHNSON & JOHNSON TALCUM POWDER PRODUCTS MARKETING, SALES PRACTICES, AND PRODUCTS LIABILITY LITIGATION MDL NO. 16-2738 (FLW) (LHG)

# JOINT CATALOGUE

QUANTITY IN ORIGINAL CONTAINER OR NEW RECEPTACLE AFTER DIVISION	N7.05 02.	N 3.28 02.	~ 3, 19 02.	NOT USED	~ 0,53 œ.	Laborating until Either amangements for its deliveny are made by the MDL PR	
ACTUAL QUANTITY IN ORIGINAL CONTAINER	N 4.05					aboratory until for the delivery	
QUANTITY ON LABEL OF ORIGINAL CONTAINER	14 oz.				100	*	
DATE ON ORIGINAL CONTAINER	1978					inal Sample 2013 inal Sample 2013 ginal Sample 20	0-67 was 60-67C).
LABEL ON ORIGINAL CONTAINER	Johnson's baby powder			,		Observer for plaintiffs hereby acknowledges receipt of 20180060-67A, John Observer for Plaintiffs hereby acknowledges receipt of 20180060-67D, No. 53 ot. of original Sample 20180060-67A.    15   18   (weight)	Laboratory Technician hereby acknowledges that all remaining material from Sample 20180060-67 was (check one): Freplaced in its original container
SAMPLE IDENTIFICATION NO.	JBP110					ntiffs hereby acknowledged and ants hereby acknowledged and and ants hereby acknowledged and ants hereby acknowledged ackn	ician hereby acknowledge
LABORATORY CONTROL NO.	20180060-67	20180060-67A	20180060-67B	20180060-67C	20180060-67D	Observer for Plaintiffs  Observer for Plaintiffs  Observer for Plaintiffs  Observer for defendan	Laboratory technician he (check one): Treplaced

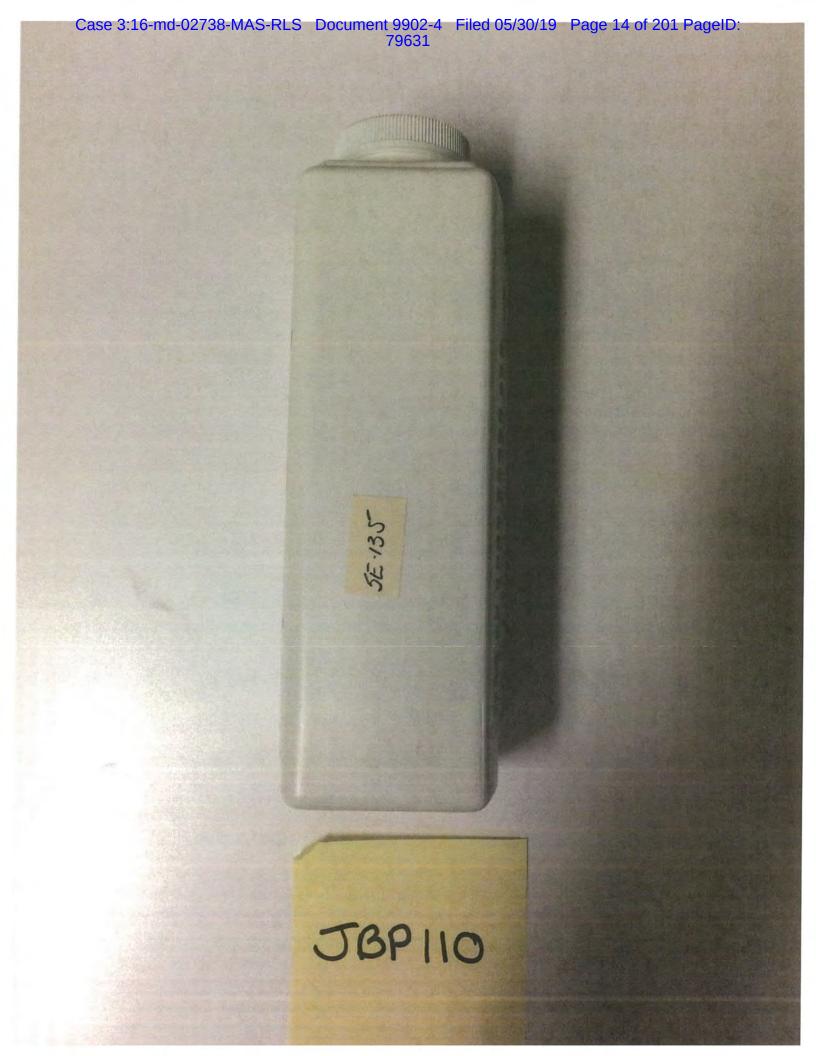
This form is an Exhibit to the Agreed Order and Stipulation Regarding the Johnson & Johnson Defendants' Production of Talcum Powder Products and Talc Samples ("Agreed Order"). Terms used herein have the same meaning as defined in the Agreed Order. The instant form has been adapted for use in connection with the division of Samples JBP092, JBP093, JBP110, JBP111, JBP188, JBP209, JBP213, JBP238, JBP241 and 2014.001.5102. Johnson's baby powder

PUREST PROTECTION

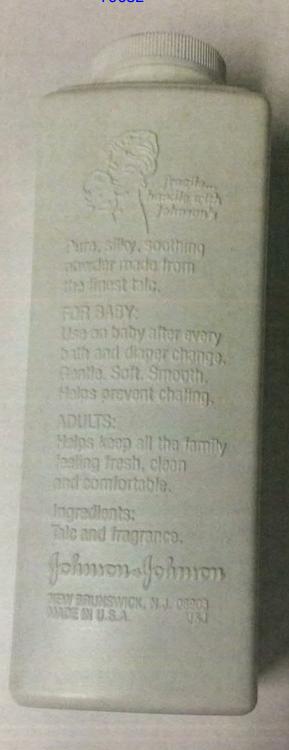
Johnson & Johnson

NET WT. 14 OZ.

Mdse, Notice #002471 6/27/78 Johnson's Baby Powder code 3-3025 label change - Test Seiden/BPC



Case 3:16-md-02738-MAS-RLS Document 9902-4 Filed 05/30/19 Page 15 of 201 PageID: 79632





### **Section 3**

#### MAS, LLC PLM ANALYSIS

Proj#-Spl#	M68503 - 005ISO	Analyst Paul Hess	Date 10/28/2018
ClientName Dept	t 14 Environmental	Clie	ntSpl 2018-0056-30A
ocation			V. Charles and Co.
ype_Mat John	nson's Baby Powder - Ho	spital Package Not For Resal	е
Gross Off-white	e powder		% of Sample 100
-	OPTICAL DA	ATA FOR ASBESTOS IDENT	IFICATION
Morphology			
Pleochroism			
Refract Index			
Sign^			
Extinction			
Birefringence Melt			
Fiber Name		+	
Tibel Hame			
Talc -B/Y DS in 1	olite US COMPONENTS	***	
Opaques		X	<del>_</del>
Talc		X	
Mineral grains		X	
minoral grains			
Binder Descrip	tion		
Comme	ents X = Materials dete	cted. *** Trace amount on fibro	ous Talc observed.
- Commit			
	-	The method detect	tion limit is 1% unless otherwise stated

#### MAS, LLC PLM ANALYSIS

Proj#-Spl#	M68503 - 005BL1	Analyst Paul Hess	Date 10/22/2018
ClientName	Dept 14 Environmental	ClientS	Spl 2018-0056-30A
ocation			
ype_Mat	Johnson's Baby Powder - Ho	spital Package Not For Resale (6	60mg prep)
Gross Wh	ite debris on slide		% of Sample 100
	OPTICAL DA	TA FOR ASBESTOS IDENTIFIC	CATION
Morpholo	ogv		
Pleochroi			
Refract Inc	dex		
Sig	gn^		
Extinct	ion		
Birefringer			
	Melt		
Fiber Na	me		
Amosite Crocidolite. Tremolite/A Anthophylli	Actinolite BROUS COMPONENTS		
NON FIBRO	OUS COMPONENTS	-	
Opaques		X	<del>.</del>
Talc		X	5
Mineral grain	ns	X	
Opaques Talc Mineral grain Binder Des	ns	X	

The method detection limit is 1% unless otherwise stated.

		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M68503	-005	Grid Box#	8632	No. of Grids Counted	2
Analyst:	Anthony K	Ceeton		Length	Width	G. O. Area
Date of Analysis	10/30/2018 -	11/2/2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.020	78	G. O. III INICIONS =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Exa	mined mm²		1.103

Str.#	Grid Onaning	Ctructura	Asbestos	Longth	Width	Datia	SAED	EDS
NSD	Grid Opening	Structure	Type	Length	width	Ratio	SAED	EDS
NSD	D7-A1 A2							-
NSD	A3					-		-
NSD	A4							1
NSD	A5							+
								-
NSD	A6							-
NSD	A7							
NSD	A8							
NSD	A9							1
NSD	A10							-
NSD	B1							
NSD	B2							ļ
NSD	B3							1
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2	12 - 26				4	T	
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							1
NSD	C8							
NSD	C9							1
NSD	C10							1
NSD	D1							1
NSD	D2							1
NSD	D3							
NSD	D4							1
NSD	D5							
NSD	D6							1
NSD	D7							1
NSD	D8							
NSD	D9							1
NSD	D10							1
NSD	E1							†
NSD	E2						-	1
NSD	E3							t
NSD	E4							t
NSD	E5	3						1
NSD	E6							+
NSD	E7							1
NSD	E8							+
NSD	E9							
NSD	E10	-	-					-

		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M68503	-005	Grid Box#	8632	No. of Grids Counted	2
Analyst:	Anthony K	Ceeton		Length	Width	G. O. Area
Date of Analysis	10/30/2018 -	11/2/2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.020	78	G. O. III INICIONS =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Exa	mined mm²		1.103

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	B1-A2	Structure	туре	Length	width	Ratio	SAED	EDS
NSD	A3							
								-
NSD	A4							-
NSD	A5							-
NSD	A6							+
NSD NSD	A7							
	A8							-
NSD	A9							
NSD	A10							
NSD	B1							-
NSD	B2	-						_
NSD	B3							
NSD	B4							
NSD	B5					-		
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1					4		
NSD	C2							
NSD	C3							
NSD	C4						_	100
NSD	C5			100				
NSD	C6							
NSD	C7							
NSD	C8							
NSD	D1							
NSD	D2							Ť –
NSD	D3							1
NSD	D4							
NSD	D5							1
NSD	D6				-		-	1
NSD	D7							
NSD	D8							
NSD	D9							
NSD	D10							
NSD	E1							1
NSD	E2							
NSD	E3							1
NSD	E5							1
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							1
NSD	E10							†
NSD	F1							1
NSD	F2							1
NSD	F3							1
NSD	F4							-

### 

		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M68503	-005	Grid Box # 8632		No. of Grids Counted	2
Analyst:	Anthony K	Keeton		Length	Width	G. O. Area
Date of Analysis	10/30/2018 -	11/2/2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.020	78	G. O. In microns –	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Exa	mined mm²		1.103

1			Asbestos				4 6 3 5	
Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS

Org. Sample Wt.	Sample Wt. Post HL Separation				
0.02078	0.02078	g			
Percent of Orig. Post Separation	100	(%)			
Wt. Of Sample Analyzed	0.00011392	g			
Filter size	201.1	mm²			4
Number of Structures Counted	0	Str.	Detection Limit	8.78E+03	Str./g
Structures per Gram of Sample	<8778	Str./g	Analytical Sensitivity	8.78E+03	Str./g

#### 

		TEM Bulk	Talc Structur	e Count S	heet	
Project/ Sample No.	M68503-005		Grid Box#	8632	eqsyu	2
Analyst:	Anthony	Keeton		Length	Width	G.O. Area
Date of Analysis	10/30/2018	- 11/2/2018	G. O. in	105	105	105
Initial Weight(g)	0.02	078	microns =	105	105	105
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area	Examined	mm²	1.103

Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
Talc #1	D7-A5	Fibrous Talc	46.3	3.5	13.2	Fibrous talc obs	served

### **Section 4**

#### MAS, LLC PLM ANALYSIS

lientName LEVY	. The same of the	3 1 5					
The second second	& KONIGSBERG			ClientSpl 2	0180060	-68D	
ocation				3 33 10 1			
/pe_Mat Johns	son & Johnson Talcum	Powder					
27-8111	nowder				0/- 0	f Sample	100
Gross Off-white Visual	powdei			-	70 0	Janipie	100
	OPTICAL DA	TA FOR AS	DESTOS ID	ENTIFICAT	ION		
	OPTICAL DA	ATA FOR AS	BES TOS ID	ENTIFICAT	ION		
Morphology	straight						
Pleochroism	none						
Refract Index	1.625/1.610						- 1
	positive						
The second secon	oblique						
	moderate						
Melt	no						
	and the second s				1		
Fiber Name	Tremolite/Actinolite						
Chrysotile Chrosite	NERALS		<b>EST. VOL</b>	. %			
Chrysotile  Chrysotile  Amosite  Crocidolite  Tremolite/Actino  Anthophyllite	NERALS  Ditte		2,222, 6,242	. %			
ASBESTOS MIN Chrysotile Amosite Crocidolite Tremolite/Actino Anthophyllite OTHER FIBROU Talc -B/Y DS in 1.	NERALS  Ditte		<0.1	. %			
Chrysotile  Chrysotile  Amosite  Crocidolite  Tremolite/Actino Anthophyllite  OTHER FIBROU  Talc -B/Y DS in 1.	NERALS  Solite		<0.1	. %			
Chrysotile  Chrysotile  Amosite  Crocidolite  Tremolite/Actino Anthophyllite  OTHER FIBROU Talc -B/Y DS in 1.	NERALS  Solite		< 0.1 ***	. %			

The method detection limit is 1% unless otherwise stated.

#### MAS, LLC PLM ANALYSIS

roj#-Spl#	M69042 - 009BL	Analyst Paul He	ess	Date 10/15/2018
ClientName	LEVY & KONIGSBERG		ClientSpl 20	180060-68D
ocation				
ype_Mat	Johnson & Johnson Talcum	Powder		
Gross Whi	ite debris on slide			% of Sample 100
Visual				
-				
	OPTICAL D	ATA FOR ASBESTOS	DENTIFICATION	ON
Morpholo	pav			
Pleochrois				
Refract Ind	lex			- 10
Sig				
Extincti				
Birefringen	elt			
Fiber Nar		-		
744 5444	271			-
ASBESTOS	MINERALS	EST. V		
		NO ASBESTOS	OBSERVED	
Chrysotile				
		-		
		-	-	
	ctinolite	-		
Anthophylli	te	-		
OTHER FIE	BROUS COMPONENTS			
	<del></del>	+		
	· ·	-	<del></del>	
		-		
	-	-		
NON FIRE	OUS COMPONENTS	,		
NON FIBRO	JUS COMPONENTS			
Oppositor		X	-	
Opaques Talc	40	X		
Mineral grain	ne.	X	-	
- Willieral Grain	15	^		
_	<del></del>	-		
Binder Des	cription			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Cor	mments $X = Materials determined$	cted.		
	O			

The method detection limit is 1% unless otherwise stated.

43.8um





		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M69042	-009	Grid Box#	8633	No. of Grids Counted	2
Analyst:	Jayme C	allan		Length	Width	G. O. Area
Date of Analysis	10/18/2	018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.0286	63	G. O. In microns –	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm²			1.103

Str.#	Grid Onaning	Structure	Asbestos	Longth	Width	Datia	SAED	EDS
NSD	Grid Opening	Structure	Туре	Length	width	Ratio	SAED	EDS
NSD	B6-A1							
NSD	A2					-		
	A3							
NSD	A4							
NSD	A5							
NSD	A6							
NSD	A7							
NSD	A8							
NSD	B1							
NSD	B2							
NSD	B3					4		
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	C1							
NSD	C2							
NSD	C3					-		
NSD	C4					1		
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							1
NSD	D5							
NSD	D6							_
NSD	D7							_
NSD	E1							1
NSD	E2							<u> </u>
NSD	E3							-
NSD	E4							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	F1							
NSD	F2							1
NSD	F3							1
	F4							-
NSD NSD	F5							
NSD	F6					-		
NSD	F7							-
NSD	F8							
NSD	G1							
NSD	G2					4		
NSD	G3							

		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		_
Project/ Sample No.	M69042-009		Grid Box#	8633	No. of Grids Counted	2
Analyst:	Jayme C	allan		Length	Width	G. O. Area
Date of Analysis	10/18/2018		C O in misrons -	105	105	11025
Initial Weight(g)	0.0286	53	G. O. in microns =	105	105	11025
Analysis Type	Post Separation	Γalc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm²			1.103

Ctr 4	Grid Onaning	Ctructure	Asbestos	Longth	Width	Datia	CAED	EDS
Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS
NSD	D1-A1							1
NSD	A2							-
NSD	A4					1		1
NSD	A7							-
NSD	A8							1
NSD	A9							
NSD	A10							-
NSD	B1							1
NSD	B2							-
NSD	B3							-
NSD	B4	P						
NSD	B5							
NSD	B6							
NSD	B7	J				4		
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3					4		
NSD	C4							
NSD	C5							1
NSD	C6							-
NSD	C7							
NSD	C8							1
NSD	C9							
NSD	C10					1		
NSD	D1							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							1
NSD	D8							1
NSD	D9							
NSD	D10							
NSD	E1							
NSD	E2							
NSD	E3					(		
NSD	E4							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							1
NSD	E10							1
NSD	F1							
NSD	F2							
NSD	F4							f
NSD	F6							1

### 

		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M69042-009		Grid Box#	8633	No. of Grids Counted	2
Analyst:	Jayme C	allan		Length	Width	G. O. Area
Date of Analysis	10/18/2	018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.0286	63	G. O. In microns –	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm²			1.103

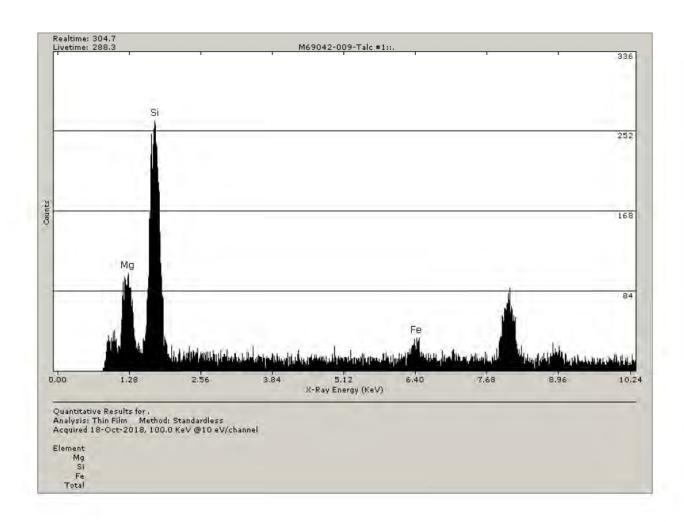
			Asbestos		17 17 17 17 17		T. Carlotte	
Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS

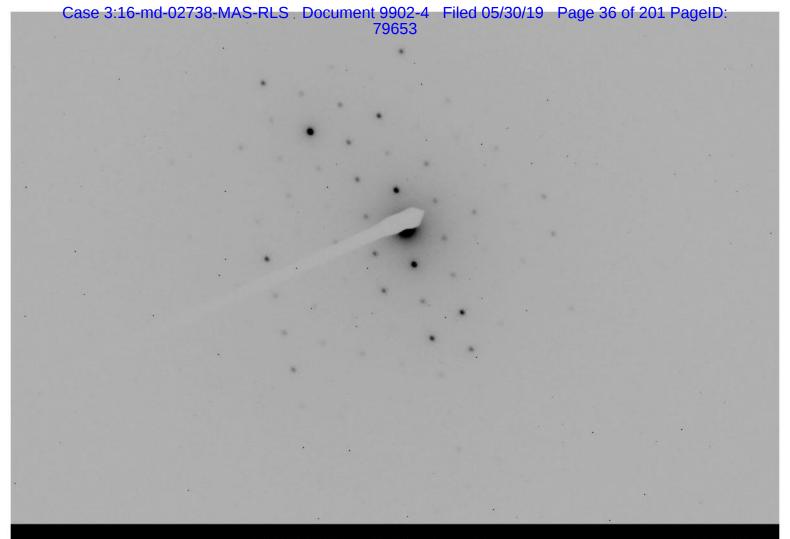
Org. Sample Wt.	Sample Wt. Post HL Separation				
0.02863	0.02863	g			
Percent of Orig. Post Separation	100	(%)			
Wt. Of Sample Analyzed	0.00015696	g			
Filter size	201.1	mm²			4
Number of Structures Counted	0	Str.	Detection Limit	6.37E+03	Str./g
Structures per Gram of Sample	<6371	_Str./g	Analytical Sensitivity	6.37E+03	Str./g

#### 

		TEM Bulk	Talc Structur	e Count S	heet	
Project/ Sample No.	M6904	M69042-009		8633	No. of Grids Counted	2
Analyst:	Jayme	Callan		Length	Width	G.O. Area
Date of Analysis	10/18/	2018	G. O. in	105	105	105
Initial Weight(g)	0.028	363	microns =	105	105	105
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm²			1.103

Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
Talc #1	D1-E4	Fibrous Talc	5.9	0.74	8.0	Fibrous talc	observed
						Trace thro	ughout

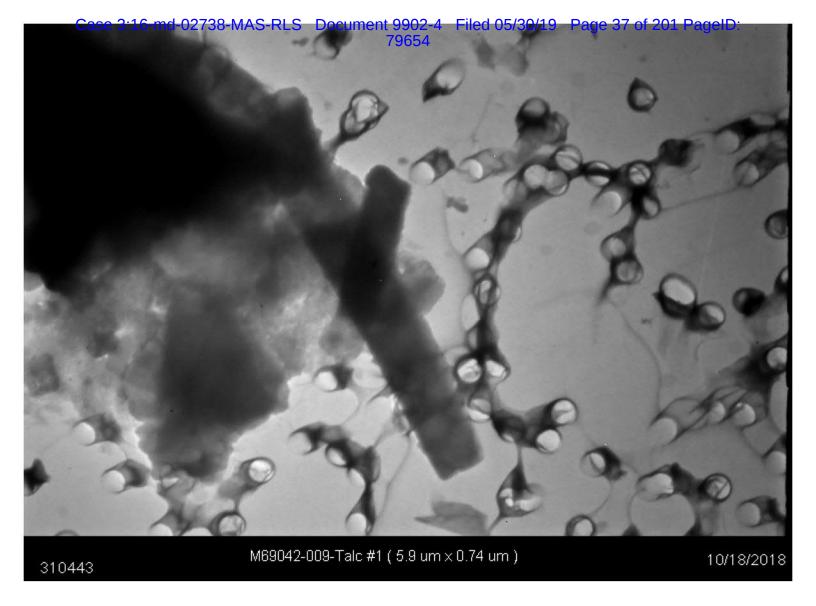




M69042-009-Talc #1 Diffraction @ 50cm

310440

10/18/2018



# **Section 5**

cation	14 Environmental	Environmental ClientSpl 2018-0061-17A						
**************************************	wer to Shower Body Pow	vder						
4 E 1 1 1 Tar		199	% of Sample 100					
ross <u>Off-white</u> isual	e powder		76 Of Sample 100					
	OPTICAL DA	ATA FOR ASBESTOS IDENTIFI	CATION					
27 1.2 151	OT HOAL DA	ATA TOR ADDED TOO IDERTIFY	OATION					
Morphology								
Pleochroism								
Refract Index		_						
Sign^ Extinction								
Birefringence								
Melt								
Fiber Name								
ASBESTOS MI	Assessed to the second	EST. VOL. %						
			_					
Tremolite/Acting Anthophyllite  OTHER FIBRO Falc -B/Y DS in 1	US COMPONENTS .55	***						
Fremolite/Acting Anthophyllite  OTHER FIBRO Falc -B/Y DS in 1	olite US COMPONENTS	***						
Fremolite/Acting Anthophyllite  OTHER FIBRO Falc -B/Y DS in 1	US COMPONENTS .55	***						
Tremolite/Acting Anthophyllite  DTHER FIBRO Falc -B/Y DS in 1  NON FIBROUS  Dpaques	US COMPONENTS .55							
Falc -B/Y DS in 1	US COMPONENTS .55	X						
Tremolite/Acting Anthophyllite  DTHER FIBRO Falc -B/Y DS in 1  NON FIBROUS  Dpaques Falc Mineral grains	US COMPONENTS .55 COMPONENTS	X						
Tremolite/Acting Anthophyllite  OTHER FIBRO Falc -B/Y DS in 1  NON FIBROUS  Opaques Falc	US COMPONENTS .55 COMPONENTS	X						
Fremolite/Acting Anthophyllite  DTHER FIBRO Falc -B/Y DS in 1  NON FIBROUS  Dpaques Falc Mineral grains  Binder Descript	US COMPONENTS .55  COMPONENTS  tion	X	a Talc observed.					

Proj#-Spl#	M68503 - 029BL1	Analyst Paul Hess	Date 10/23/2018						
lientName Dept	14 Environmental	ronmental ClientSpl 2018-0061-17A							
ocation									
ype_Mat Show	wer to Shower Body Pow	Shower Body Powder (100mg prep)							
Gross White de	ebris on slide		% of Sample 100						
	OPTICAL DA	ATA FOR ASBESTOS IDENTIFI	CATION						
Morphology									
Pleochroism									
Refract Index			11						
Sign^									
Extinction									
Birefringence									
Melt									
Fiber Name									
ASBESTOS MI	NERALS	EST. VOL. %							
		NO ASBESTOS OBSERVED							
Act of the control of									
Chrysotile			<u> </u>						
Amosite			<u></u> ,>,						
Crocidolite			<u> </u>						
Tremolite/Actino	olite	4	<u> </u>						
Anthophyllite			<u></u>						
OTHER FIBRO	US COMPONENTS								
_		1	<del>-</del>						
			40						
			<u> </u>						
			<u> </u>						
NON FIBROUS	COMPONENTS								
******									
Opaques		X	<del>-</del>						
Talc	40	X	<del>3</del> [						
200			<del>/</del> 2						
Mineral grains		X	<del>-</del> <=						
			_						
Binder Descript	tion								
Billuer Descript									
25		124							
Comme	ents X = Materials dete	ctea.							
	0								
	( <del>-</del>	The method detection	n limit is 1% unless otherwise stated						
		The method detection	i mini is 170 uniess otherwise stated						

		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M68503	-029	Grid Box#	8637 No. of Grids Counted 2	2	
Analyst:	Mehrdad Me	otamedi		Length	Width	G. O. Area
Date of Analysis	10/28/2018-10	0/29/2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.0216	67	G. O. In microns –	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Exa	mined mm²		1.103

Str. #	Grid Opening	Structure	Asbestos	Longth	Width	Datio	SAED	EDS
NSD	Grid Opening	Structure	Туре	Length	width	Ratio	SAED	EDS
NSD	A10-A1 A2							-
NSD	A3	-						
								-
NSD NSD	A4 A5							-
NSD	A6							
								-
NSD	A7							
NSD	A8							_
NSD	A9						-	
NSD	A10							-
NSD	B1							-
NSD	B2							
NSD	B3							_
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2	L				4		
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	C9							
NSD	C10							
NSD	D1							
NSD	D2							1
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							1
NSD	D9							1
NSD	D10							
NSD	E1							1
NSD	E2	-						-
NSD	E3							-
NSD	E3							-
NSD	E5							
NSD	E6							-
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							

		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M68503	-029	Grid Box#	8637	No. of Grids Counted	2
Analyst:	Mehrdad M	otamedi		Length	Width	G. O. Area
Date of Analysis	10/28/2018-1	0/29/2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.021	67	G. O. In microns =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Exa	mined mm²		1.103

Str.#	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	A9-J1	Structure	туре	Length	width	Katio	SAED	EDS
NSD	J2							+
NSD		-						+
	J3							-
NSD	J4							-
NSD	J5							+
NSD	J6				-			
NSD	J7							
NSD	J8							
NSD	J9							
NSD	J10							
NSD	- 11	-				1		
NSD	12							
NSD	13							
NSD	14					1		
NSD	15							
NSD	16							
NSD	17							
NSD	18							
NSD	19							
NSD	I10							1
NSD	H1							1
NSD	H2							1
NSD	НЗ							
NSD	H4							
NSD	H5							1
NSD	H6							1
NSD	H7					-		+
NSD	H8							1
NSD	H9					1		+
NSD	H10							+
NSD	G1					_		+
NSD	G2							+
	G2 G3							+
NSD								-
NSD	G4 G5							+
NSD								-
NSD	G6							
NSD	G7							1
NSD	G8							
NSD	G9					4		
NSD	G10							
NSD	F1							
NSD	F2					21 (1)		
NSD	F3							
NSD	F4					4		
NSD	F5					. 1		
NSD	F6							
NSD	F7							
NSD	F8							
NSD	F9							
NSD	F10							1

### 

		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M68503	-029	Grid Box#	2		
Analyst:	Mehrdad M	otamedi		Length	Width	G. O. Area
Date of Analysis	10/28/2018-1	0/29/2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.021	0.02167	G. O. In microns –	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Exa	mined mm²		1.103

			Asbestos				1 7	
Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS

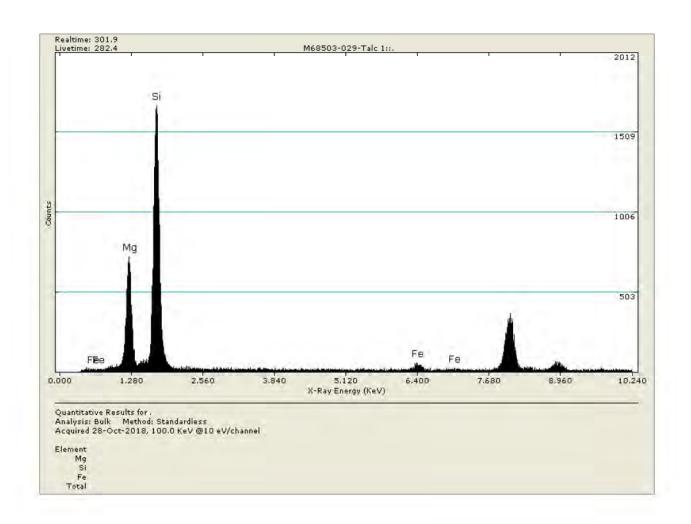
Org. Sample Wt.	Sample Wt. Post HL Separation	
0.02167	0.02167	g
Percent of Orig. Post Separation	100	(%)
Wt. Of Sample Analyzed	0.00011880	g
Filter size	201.1	mm²
Number of Structures Counted	0	Str.
Structures per Gram of Sample	<8417	Str./g

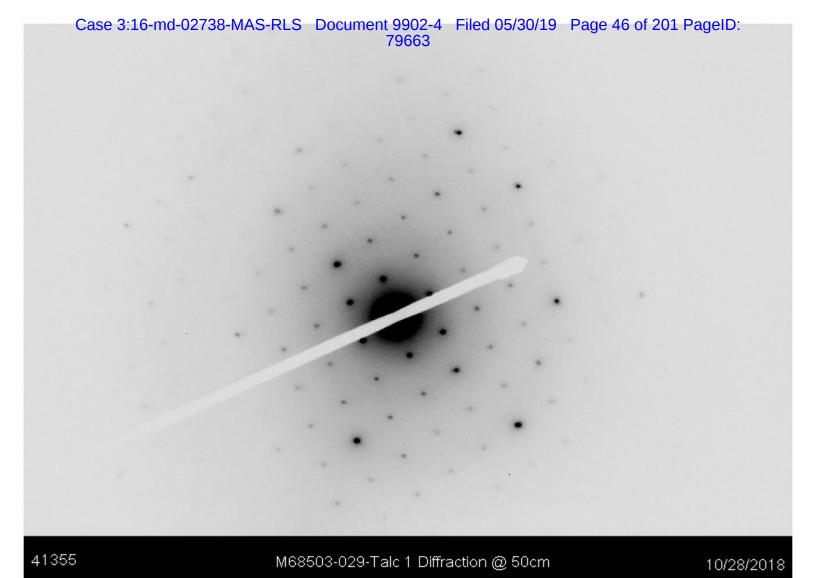
1		1
Detection		
Limit	8.42E+03	Str./g
Analytical		
Sensitivity	8.42E+03	Str./a

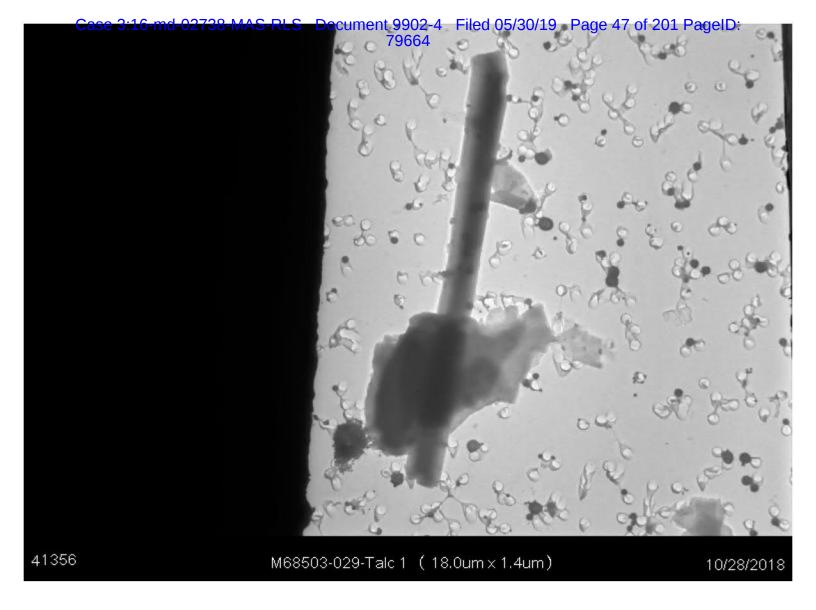
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		TEM Bulk	Talc Structur	e Count S	heet	
Project/ Sample No.	M6850	3-029	Grid Box#	8637	No. of Grids Counted	2
Analyst:	Mehrdad N	/lotamedi		Length	Width	G.O. Area
Date of Analysis	10/28/	2018	G. O. in	105	105	105
Initial Weight(g)	0.02	167	microns =	105	105	105
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area	Examined	mm²	1.103

Str.#	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
Talc 1	A10-B2	Fibrous Talc	18	1.4	12.9	Fibrous Talc	Observed
						Trace thro	ughout







# **Section 6**

roj#-Spl#	M68503 - 021ISO	Analyst	Paul Hess		Date 10/28/20	10
ientName Dept 14	Environmental		CI	ientSpl 2018	8-0060-54A	
ocation						
pe_Mat Johnson	n's Baby Powder					
Gross Off-white po	owder				% of Sample	100
-	_					
	OPTICAL DA	TA FOR AS	BESTOS IDEN	ITIFICATION		
Morphology						
Pleochroism						
Refract Index						
Sign^						
Extinction						
Birefringence		-				
Melt Fiber Name						
ribei Name						
Chrysotile		NO AS	BESTOS OBSE	RVED		
Amosite						
		_				
Crocidolite				_		
Crocidolite Tremolite/Actinolite	e			_		
Amosite Crocidolite Tremolite/Actinolite Anthophyllite	e					
Crocidolite Tremolite/Actinolite Anthophyllite OTHER FIBROUS	e S COMPONENTS		***			
Crocidolite Tremolite/Actinolite Anthophyllite	e S COMPONENTS		***			
Crocidolite Tremolite/Actinolite Anthophyllite OTHER FIBROUS	e S COMPONENTS		***			
Crocidolite Tremolite/Actinolite Anthophyllite OTHER FIBROUS	e S COMPONENTS		***			
Crocidolite Tremolite/Actinolite Anthophyllite OTHER FIBROUS	e S COMPONENTS		***			
Crocidolite	e COMPONENTS		***			
Crocidolite	e COMPONENTS		***			
Crocidolite Tremolite/Actinolite Anthophyllite  OTHER FIBROUS Talc -B/Y DS in 1.55	e COMPONENTS					
Crocidolite Tremolite/Actinolite Anthophyllite OTHER FIBROUS Talc -B/Y DS in 1.55  NON FIBROUS CO	e COMPONENTS		X			
Crocidolite Tremolite/Actinolite Anthophyllite  OTHER FIBROUS Talc -B/Y DS in 1.55  NON FIBROUS CO  Opaques Talc	e COMPONENTS		X X			
Crocidolite  Tremolite/Actinolite Anthophyllite  DTHER FIBROUS Falc -B/Y DS in 1.55  NON FIBROUS CO  Dpaques Falc	e COMPONENTS		X			
Crocidolite Tremolite/Actinolite Anthophyllite OTHER FIBROUS	e COMPONENTS		X X			
Crocidolite Tremolite/Actinolite Anthophyllite  OTHER FIBROUS Talc -B/Y DS in 1.55  NON FIBROUS CO  Opaques Talc	e COMPONENTS		X X			
Crocidolite Tremolite/Actinolite Anthophyllite  DTHER FIBROUS Falc -B/Y DS in 1.55  NON FIBROUS CO  Dpaques Falc Mineral grains	e COMPONENTS		X X			
Crocidolite Tremolite/Actinolite Anthophyllite  DTHER FIBROUS Falc -B/Y DS in 1.55  NON FIBROUS CO  Dpaques Falc Mineral grains	e COMPONENTS		X X			
Crocidolite  Tremolite/Actinolite Anthophyllite  DTHER FIBROUS Falc -B/Y DS in 1.55  NON FIBROUS CO  Dpaques Falc	e COMPONENTS		X X			
Crocidolite  Tremolite/Actinolite Anthophyllite  DTHER FIBROUS Falc -B/Y DS in 1.55  NON FIBROUS CO Dpaques Falc Mineral grains  Binder Description	e COMPONENTS	cted. *** Trace	X X X	prous Talc ob	oserved.	

roj#-Spl#	M68503 - 021BL1	Analyst Paul Hess	Date 10/24/2018
ientName Dept 14	4 Environmental	Client	Spl 2018-0060-54A
ocation			
pe_Mat Johnson	on's Baby Powder (100m	g prep)	
Gross White debr	ris on slide		% of Sample 100
	OPTICAL DAT	A FOR ASBESTOS IDENTIFI	ICATION
4			
Morphology Pleochroism			-
Refract Index		+	
Sign^			
Extinction			
Birefringence			
Melt			
Fiber Name			
ASBESTOS MINE	TDALC	EST. VOL. %	
10020100 111111		NO ASBESTOS OBSERVEI	0
		110110520100 05021112	
Chrysotile			<u> </u>
Amosite			<u></u>
Crocidolite			
Tremolite/Actinoli	te		<u></u>
Anthophyllite			_
OTHER FIBROUS	S COMPONENTS		
-	<del></del>	<del>-</del>	=
			<del></del>
			_
		-	<del>-</del>
		,	-
NON FIBROUS C	OMPONENTS		
			_
Opaques	-	X	
Talc		X	<u>2</u>
Mineral grains		X	<u></u>
			<u> </u>
Binder Descriptio	n		
Dilider Descriptio	" -		-34
Ca	ts X = Materials detected	ad.	
Comment	s A - Ivialeriais delecte	ж. –	
	1.		
	0	The method detection	on limit is 1% unless otherwise state

		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M68503-021		Grid Box#	8637	No. of Grids Counted	2
Analyst:	Jayme C	allan		Length	Width	G. O. Area
Date of Analysis	10/31/2018 - 1	11/1/2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.0308	32	G. O. In microns –	105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm²		1.103	

Ctr #	Grid Onaning	Ctructura	Asbestos	Longth	Width	Datia	CAED	EDG
Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS
NSD	D10-A1							
NSD	A2							
NSD	A3							-
NSD	A4							-
NSD	A5							-
NSD	A6							-
NSD	A7							-
NSD	A8							
NSD	A9							
NSD	A10							-
NSD	B1				1 = -4	4		
NSD	B2							1
NSD	B3							1
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5	E						1
NSD	C6							1
NSD	C7							1
NSD	C8							Ť
NSD	C9							1
NSD	C10							
NSD	D1							1
NSD	D2							1
NSD	D3							
NSD	D4							1
NSD	D5							
NSD	D6							1
NSD	D7							
NSD	D8							
NSD	D9							1
NSD	D10							†
NSD	E1							t
NSD	E2							1
NSD	E3							+
NSD	E4							1
NSD	E5							+
NSD	E6							+
NSD	E7							-
	E8							-
NSD NSD	E9							-
NSD	E10						4	

		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M68503-021		Grid Box#	8637	No. of Grids Counted	2
Analyst:	Jayme C	allan		Length	Width	G. O. Area
Date of Analysis	/sis 10/31/2018 - 11/1/2018		C O in misrans -	105	105	11025
Initial Weight(g)	0.030	82	G. O. in microns =	105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm²		1.103	

Str.#	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	D8-A1	Structure	туре	Length	width	Ratio	SAED	EDS
NSD	A2							-
	A3							+
NSD NSD	A3 A4							-
NSD	A5							-
NSD	A6				-			+
NSD	A7							+
NSD	A8	-						-
NSD	A9							+
NSD	A10							1
	B1							+
NSD NSD	B2							-
	B3							-
NSD NSD	B4							
	B5					-		
NSD NSD	B6							
								-
NSD	B7							-
NSD	B8							-
NSD	B9							-
NSD	B10							
NSD	C1							-
NSD	C2							
NSD	C3							
NSD	C4							1
NSD	C5							
NSD	C6					_		
NSD	C7					-		
NSD	C8							-
NSD	C9							-
NSD	D1							
NSD	D2							-
NSD	D3							-
NSD	D4							-
NSD	D5							-
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
NSD	E1					4		
NSD	E2							
NSD	E3							
NSD	E4					3		
NSD	E5							_
NSD	E6					. 1		
NSD	E7					. 1		
NSD	E8							
NSD	E9							1
NSD	F1							
NSD	F2							
NSD	F3							1

### 

		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M68503-021		Grid Box#	8637	No. of Grids Counted	2
Analyst:	Jayme C	allan		Length	Width	G. O. Area
Date of Analysis	10/31/2018 -	11/1/2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.030	82	G. O. In microns –	105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm²		1.103	

			Asbestos		1		1 0 0 0	T .
Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS

Org. Sample Wt.	Sample Wt. Post HL Separation				
0.03082	0.03082	g			
Percent of Orig. Post Separation	100	(%)			
Wt. Of Sample Analyzed	0.00016897	g			
Filter size	201.1	mm²			4.
Number of Structures Counted	0	Str.	Detection Limit	5.92E+03	Str./g
Structures per Gram of Sample	<5918	Str./g	Analytical Sensitivity	5.92E+03	Str./g

### Case 3:16-md-02738-MAS-RLS Document 9902-4 Filed 05/30/19 Page 54 of 201 PageID: 79671

		TEM Bulk	Talc Structur	e Count S	Sheet	
Project/ Sample No.	M68503-021		Grid Box#	8637	No. of Grids Counted	2
Analyst:	Jayme	Callan		Length	Width	G.O. Area
Date of Analysis	10/31/2018 -	- 11/1/2018	G. O. in	105	105	105
Initial Weight(g)	0.03082	082	microns =	105	105	105
Analysis Type	Post Separation	Post Separation Talc Analysis		Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm²		mm²	1.103

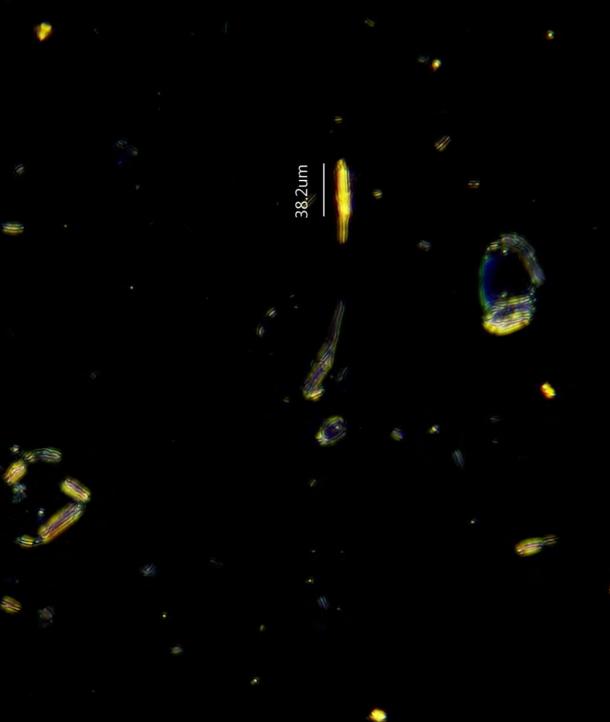
Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
NSD	D10-A1	L-1	The Control			No fibrous tale	observed

## **Section 7**

roj#-Spl#	M68503 - 023ISO	Analyst Paul Hess	Date 10/28/2018
lientName Dep	t 14 Environmental	Clients	Spl 2018-0060-64A
ocation			
pe_Mat Johr	nson's Baby Powder		
Gross Off-white	e powder		% of Sample 100
/isual	о ротио:		_
-			
	OPTICAL DA	ATA FOR ASBESTOS IDENTIFIC	CATION
Morphology	straight		
Pleochroism	none		
Refract Index	1.630/1.618		
Sign^	positive		
Extinction	parallel		
Birefringence	medium		
Melt	no		
Fiber Name	Anthophyllite		
SBESTOS MI	INEDALS	EST. VOL. %	
Anthophyllite OTHER FIBRO alc -B/Y DS in 1	US COMPONENTS	<0.1 ***	<del>-</del>
ION FIBROUS	COMPONENTS		-
Opaques	40	X	_
alc		X	4
Mineral grains		X	-
Binder Descrip	tion		
Comme	fragments/particles	estos observed. Anthophyllite and s exhibiting <3-1 length to width r ved. X=Materials Detected.	Actinolite/Tremolite cleavage ratio observed. *** Trace amount

The method detection limit is 1% unless otherwise stated.

Gross White de	son's Baby Powder(10				8-0060-64A		
pe_Mat Johns	son's Baby Powder (10						
Gross White de		0mg prep)					
	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -					% of Sample 100	
Visual					76 Of Sample	100	
	OPTICAL D	ATA FOR ACE	DECTOR IDEN	TIFICATIO	N 1		
	OPTICAL DA	ATA FOR ASE	BESTOS IDEN	TIFICATIO	N		
Morphology	straight						
Pleochroism	none						
Refract Index	1.635/1.620						
Sign^	positive	71					
Extinction	parallel						
Birefringence	medium						
Melt	no						
Fiber Name	Anthophyllite						
Anthophyllite	JS COMPONENTS		<0.1				
NON FIBROUS	COMPONENTS	_		7			
Opaques		,	Х				
Talc		-	Х				
Mineral grains		-	X	-			
Timoral granie							
Binder Descripti	on						
C	nts Anthophyllite asbe	etae aheaniad	X=Materials I	Detected			
Comme	Anthophymite asbe	sios observed	. A-ivialeriais l	Jelevicu.			
	A-	Th	e method dete	ction limit i	s 1% unless other	erwise s	

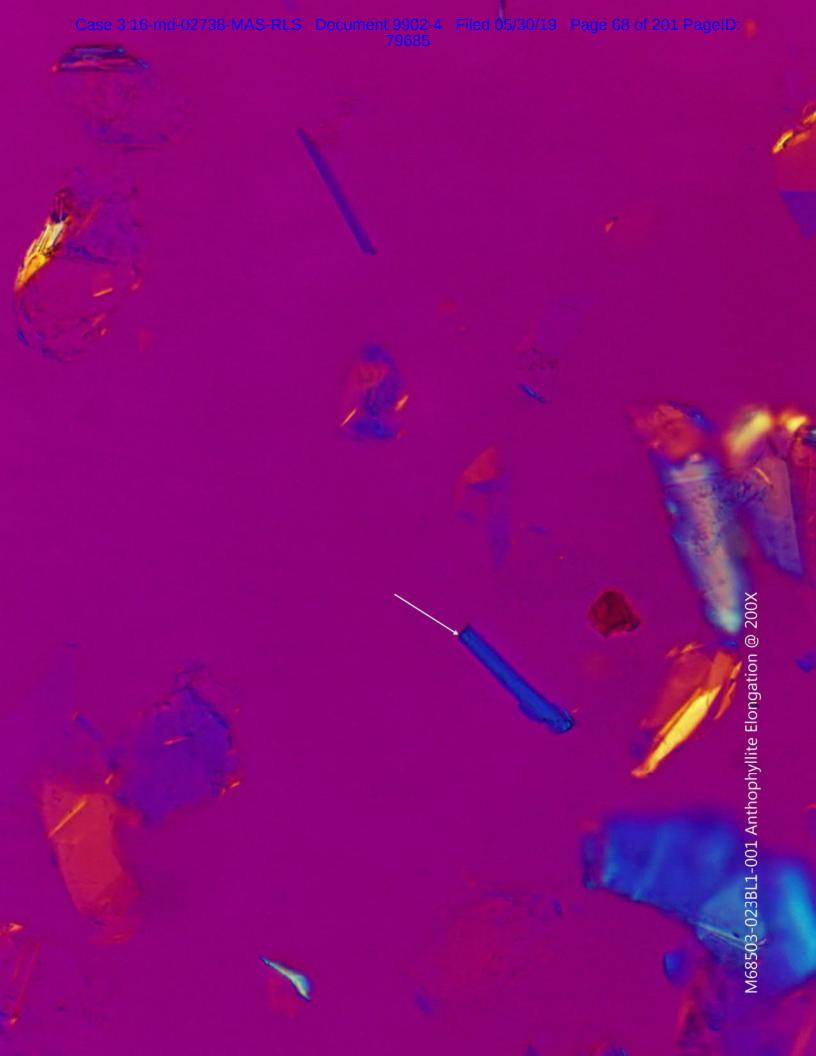


M68503-023ISO-001 Anthophyllite Parallel Dispersion 1.605 R.I. @ 100X



114.7um





### Case 3:16-md-02738-MAS-RLS Document 9902-4 Filed 05/30/19 Page 74 of 201 PageID: 79691

		TEI	M Bulk Talc Structure Co	unt Sheet		
Project/ Sample No.	M68503	3-023	Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/27/2018-1	0/28/2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.020	82	G. O. III IIIICIOIIS =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Exam	ined mm²		1.103

			Ashastas			1		
O. "			Asbestos		147.141	<b>5</b> .:	0.450	
Str. #	Grid Opening	Structure	Туре	Length	Width	Ratio	SAED	EDS
NSD NSD	C10-A1 A2							<del> </del>
NSD								<del> </del>
NSD	A3 A4							<u> </u>
NSD	A4 A5							<b></b>
NSD								<del> </del>
NSD	A6 A7							<b>_</b>
NSD	A7 A8							<u> </u>
NSD	A9							<del> </del>
NSD	A9 A10							<b></b>
NSD	B1							
NSD	B2							<del> </del>
NSD								<del> </del>
NSD	B3 B4							
NSD	B5							<del>                                     </del>
NSD	B6							
NSD	B7 B8							
NSD								
NSD	B9							
NSD	B10							<b>├</b>
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							<del>                                     </del>
NSD	C5							<b></b>
NSD	C6							ļ
NSD	C7							<u> </u>
NSD	C8							<b></b>
NSD	C9							
NSD	C10							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
NSD	D10							
NSD	E1							
NSD	E2							
NSD	E3							
NSD	E4							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							

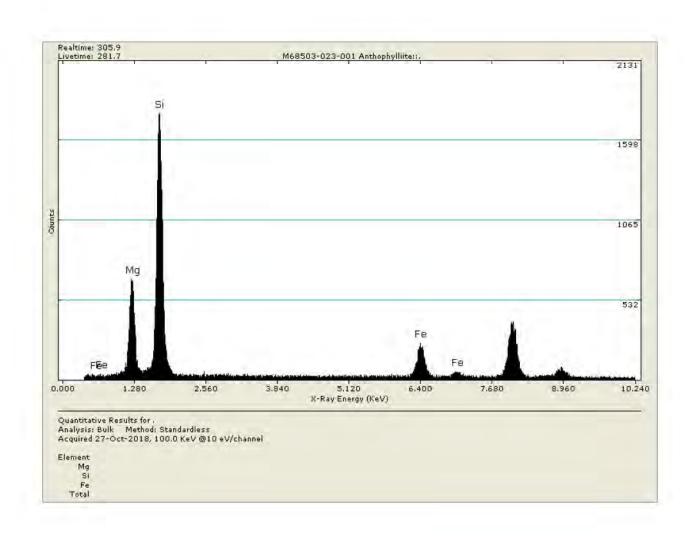
		TEN	M Bulk Talc Structure Co	unt Sheet		
Project/ Sample No.	M68503	3-023	Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/27/2018-1	0/28/2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.020	82	G. O. III IIIICIOIIS =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Exam	ined mm²		1.103

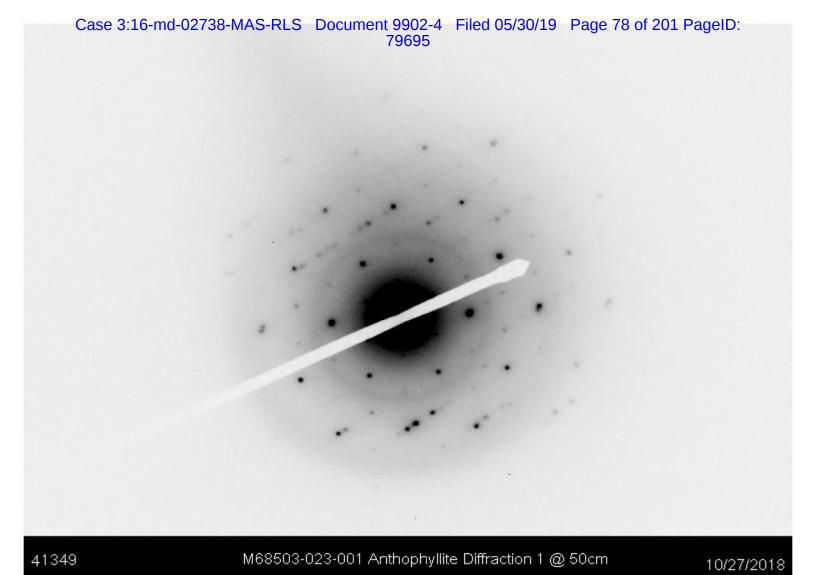
	1		Asbestos		1	1	1	
Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS
NSD	C9-J1		1					
NSD	J2							
NSD	J3							
NSD	J4							
NSD	J5							
NSD	J6							
NSD	J7							
NSD	J8							
1	J9	Bundle	Anthophyllite	12	0.8	15.0	Х	Х
NSD	J10	Barraio	7 with opiny mile		0.0	10.0	^	
NSD	I1							
NSD	12							
NSD	13							
NSD	14							
NSD	15							
NSD	16							
NSD	17							
NSD	18							
NSD	19							
NSD	I10							
NSD	H1							
NSD	H2							
NSD	H3							
NSD	Н4							
NSD	H5							
NSD	H6							
NSD	H7							
NSD	H8							
NSD	H9							
NSD	H10							
NSD	G1							
NSD	G2							
NSD	G3							
NSD	G4							
NSD	G5							
NSD	G6							
NSD	G7							
NSD	G8							
NSD	G9							
NSD	G10							
NSD	F1							
NSD	F2							
NSD	F3							
NSD	F4							
NSD	F5							
NSD	F6							
NSD	F7							
NSD	F8							
NSD	F9							
NSD	F10							

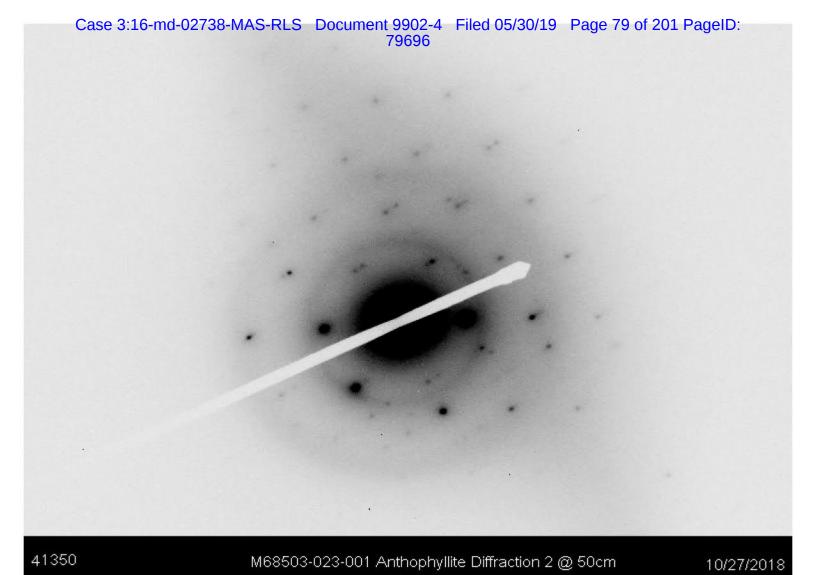
		TEI	M Bulk Talc Structure Co	unt Sheet		
Project/ Sample No.	M68503	3-023	Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/27/2018-1	0/28/2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.020	82	G. O. In microns =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Exam	ined mm²		1.103

				Asbestos					
ı	Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS

	Sample Wt.					
Org. Sample	Post HL					
Wt.	Separation					
0.02082	0.02082	g				
Percent of		1				
Orig. Post						
Separation	100	(%)				
		_				
Wt. Of						
Sample						
Analyzed	0.00011414	g				
Filter size	201.1	mm²				_
Number of						
Structures				Detection		
Counted	1	Str.		Limit	8.76E+03	Str./g
Structures						
per Gram of				Analytical		
Sample	8.76E+03	Str./g		Sensitivity	8.76E+03	Str./g



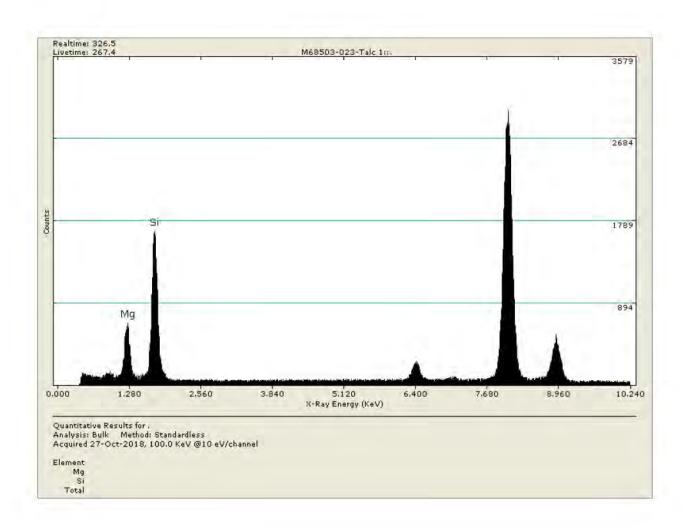


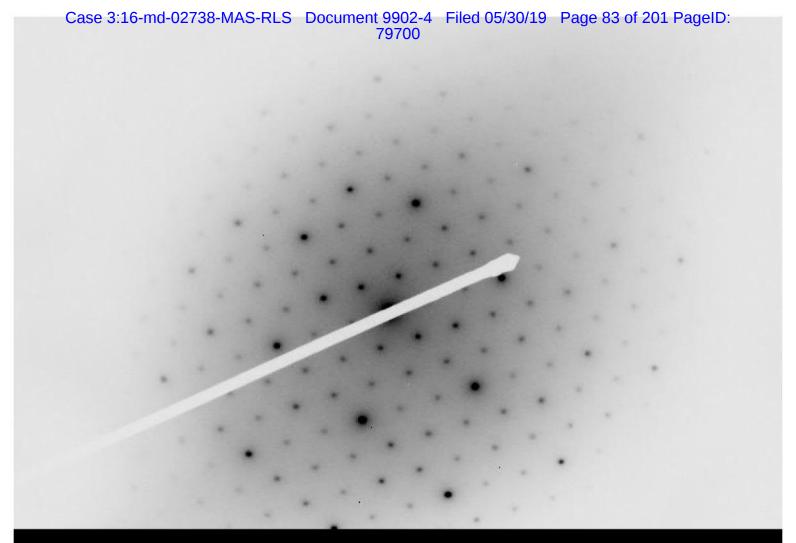




		TEM Bulk	Talc Structur	e Count S	Sheet	
Project/ Sample No.	M68503-023		Grid Box#	8637	No. of Grids Counted	2
Analyst:	Mehrdad N	/lotamedi		Length	Width	G.O. Area
Date of Analysis	10/27/2018-	10/27/2018-10/28/2018 G 0.02082		105	105	105
Initial Weight(g)	0.02			0.02082 microns =	microns =	105
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area	Examined	mm²	1.103

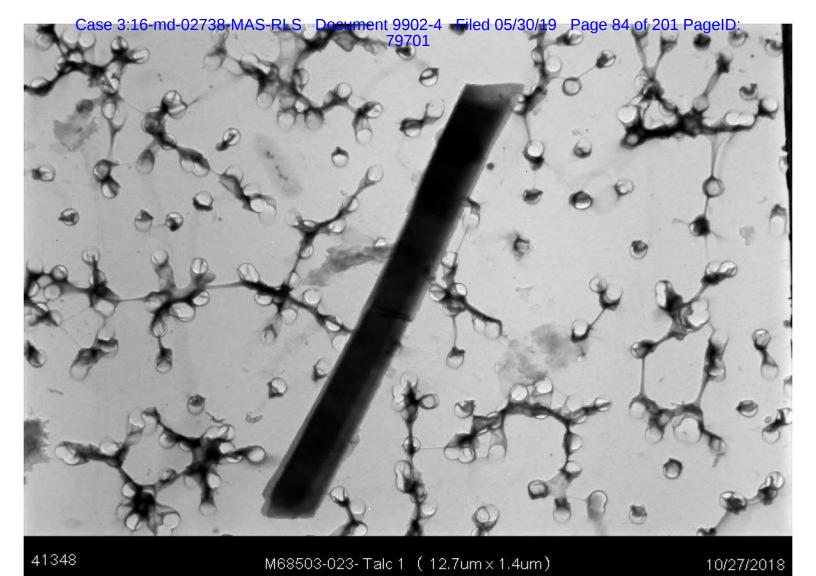
Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
Talc 1	C10-C2	Fibrous Talc	12.7	1.4	9.1	Fibrous Talc	Observed
						Trace thro	ughout





M68503-023 Talc 1 Diffraction @ 50cm

10/27/2018



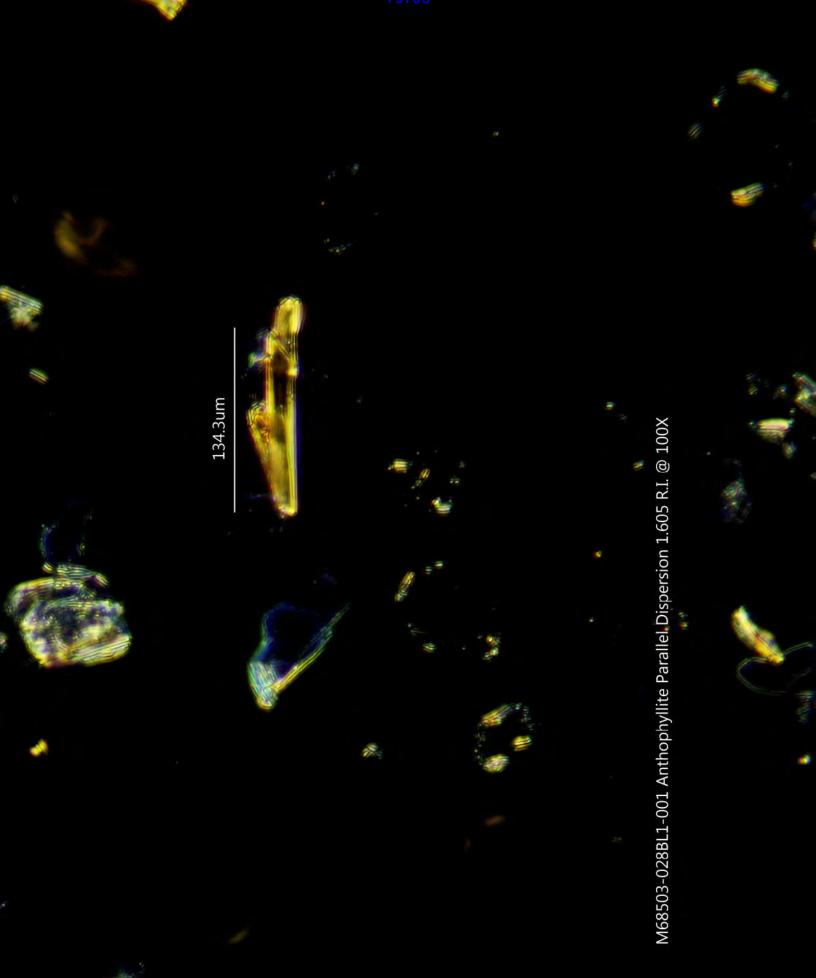
## **Section 8**

#### MAS, LLC PLM ANALYSIS

	M68503 - 028ISO	Analyst Paul Hess	Date 10/29/2018
cation	t 14 Environmental	Clie	entSpl 2018-0061-12A
	Shower to Shower Deoc	dorant Body Powder	
Y E   Y		Jordin Body i owdor	0/ -50 100
ross Off-white isual	e powder		% of Sample 100
isuai			
	OPTICAL DA	ATA FOR ASBESTOS IDENT	TEICATION
-21 12 121	OF HOAL DA	ATA TOR ADDEDTED IDENT	ITICATION
Morphology			
Pleochroism			
Refract Index			_
Sign^ Extinction		_	_
Birefringence			
Melt			
Fiber Name			
ASBESTOS MI		EST. VOL. %	
Crocidolite			<del></del>
Fremolite/Acting Anthophyllite  OTHER FIBRO Falc -B/Y DS in 1	US COMPONENTS .55	***	
Tremolite/Acting Anthophyllite  OTHER FIBRO Falc -B/Y DS in 1	olite US COMPONENTS	***	
Fremolite/Acting Anthophyllite  OTHER FIBRO Falc -B/Y DS in 1	US COMPONENTS .55	***	
Fremolite/Acting Anthophyllite  OTHER FIBRO Falc -B/Y DS in 1	US COMPONENTS .55		
Fremolite/Acting Anthophyllite  OTHER FIBRO Falc -B/Y DS in 1  NON FIBROUS  Opaques	US COMPONENTS .55	X	
Tremolite/Acting Anthophyllite  OTHER FIBRO Falc -B/Y DS in 1  NON FIBROUS  Dpaques Falc	US COMPONENTS .55	X	
Tremolite/Acting Anthophyllite  OTHER FIBRO Falc -B/Y DS in 1  NON FIBROUS  Dpaques Falc	US COMPONENTS .55 COMPONENTS	X	
Fremolite/Acting Anthophyllite  OTHER FIBRO Falc -B/Y DS in 1  NON FIBROUS  Depaques Falc Aineral grains	US COMPONENTS .55 COMPONENTS	X	
Tremolite/Acting Anthophyllite OTHER FIBRO Falc -B/Y DS in 1  JON FIBROUS Depaques Falc Mineral grains  Binder Descript	US COMPONENTS .55  COMPONENTS  tion	X	ous Talc observed.

#### MAS, LLC PLM ANALYSIS

oj#-Spl#	M68503 - 028BL1	Analyst Paul Hess	Date 10/23/2018
lientName Dep	t 14 Environmental	ClientS	Spl 2018-0061-12A
ocation			
/pe_Mat New	Shower to Shower Deoc	dorant Body Powder (100mg prep	))
Gross White d	ebris on slide		% of Sample 100
/isual			
-			
	OPTICAL DA	ATA FOR ASBESTOS IDENTIFIC	CATION
Morphology	straight		
Pleochroism	none		
Refract Index	1.630/1.617		
Sign^	positive		
Extinction	parallel		
Birefringence	medium		
Melt	no		
Fiber Name	Anthophyllitte		
ASBESTOS MI	NEDAI S	EST. VOL. %	
AODEOTOO IIII	MEIGHEO	201. 102. 70	
Tremolite/Actin Anthophyllite OTHER FIBRO		< 0.1	
NON FIBROUS	COMPONENTS		
Opaques		X	-
Falc	-	X	<del>)</del> [
Mineral grains	-	X	-0-
viirici ai grailis		^	<del>-</del>
Binder Descrip	tion		F
	1		
Comme	ents X = Materials dete	cted.	
	0		
	·	The method detection	limit is 1% unless otherwise state
		The inclined delection	mini to 170 diffeed offici wide stat





		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M68503-028		Grid Box#	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi	Length	Width	G. O. Area		
Date of Analysis	10/31/2	018	C O in misrons -	105	105	11025
Initial Weight(g)	0.03135		G. O. in microns =	105	105	11025
Analysis Type	Post Separation	aration Talc Analysis Grid Acceptance You	Yes	Average	11025	
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Exa	mined mm²		1.103

	2.12		Asbestos	A CVI.		6.0	0.455	
Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS
NSD	B10-B1							
NSD	B2							
NSD	B3		-					_
NSD	B4							-
NSD	B5							_
NSD	B6							_
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1			4	4	1		
NSD	C2							
NSD	C3	4500	3-1-2			100000		
1	C4	Bundle	Anthophyllite	18.8	1.8	10.4	X	X
NSD	C5					11 11 11		
NSD	C6			Umman I				
NSD	C7							
NSD	C8							
NSD	C9							
NSD	C10				7			
NSD	D1							
NSD	D2					1		
NSD	D3							
NSD	D4							
NSD	D5							1
NSD	D6							1
NSD	D7							1
NSD	D8		1					†
NSD	D9					1		+
NSD	D10							1
NSD	E1		1					+
NSD	E2		1					+
NSD	E3		1					1
NSD	E4							+
NSD	E5							+
NSD	E6		+					+
NSD	E7							+
	E8		+			-		1
NSD NSD	E9		1					
NSD	E9							+
								-
NSD	G1		+					+
NSD	G2							
NSD	G3							1
NSD	G4		-					ļ —
NSD	G5							
NSD	G6							
NSD	G7		10000			-		
2	G8	Bundle	Anthophyllite	5.7	0.4	14.3	Х	X
NSD	G9			-				
NSD	G10							

TEM Bulk Talc Structure Count Sheet							
Project/ Sample No.	M68503-028		Grid Box#	8637	No. of Grids Counted	2	
Analyst:	Mehrdad Me	otamedi		Length	Width	G. O. Area	
Date of Analysis	10/31/2	018	G. O. in microns =	105	105	11025	
Initial Weight(g)	0.0313	35	G. O. In microns –	105	105	11025	
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025	
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100	
4	Screen Magnification	20 KX	Area Exa	mined mm²		1.103	

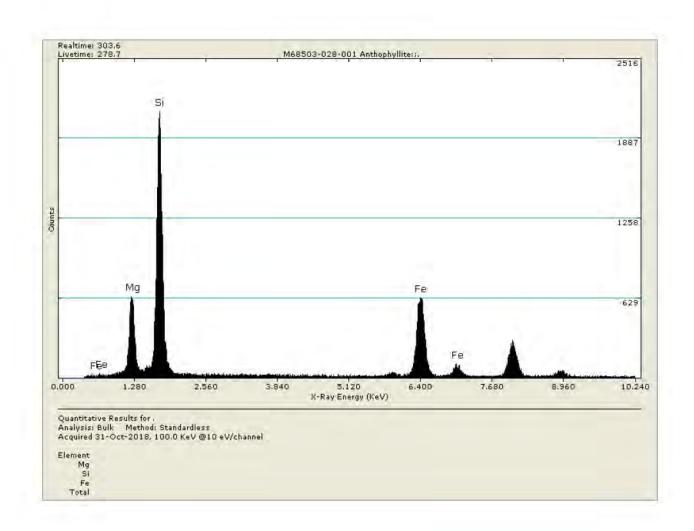
Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
		Structure	туре	Length	width	Katio	SAED	EDS
NSD	B9-J1							1
NSD	J2							
NSD	J3					-		
NSD	J4							_
NSD	J5							1
NSD	J6		1					
NSD	J7		-					-
NSD	J8							
NSD	J9							
NSD	J10							-
NSD	l1							
NSD	12							
3	13	Bundle	Anthophyllite	6	0.9	6.7	X	X
NSD	14							
NSD	15							
NSD	16							
NSD	17							
NSD	18							
NSD	19							
NSD	I10							
NSD	H1							
NSD	H2							1
NSD	H3		-	-				1 -
NSD	H4			-				
NSD	H5							1
NSD	H6							
NSD	H7							
NSD	H8							
NSD	H9							Ť
NSD	H10							
NSD	G1							
NSD	G2							
NSD	G3							1
NSD	G4							
NSD	G5							
NSD	G6							
NSD	G7							
NSD	G8							1
NSD	G9							
NSD	G10							
NSD	F1							1
NSD	F2							
NSD	F3							
NSD	F4							
NSD	F5							
NSD	F6							1
NSD	F7							
NSD	F8							1
NSD	F9							
NSD	F10							+

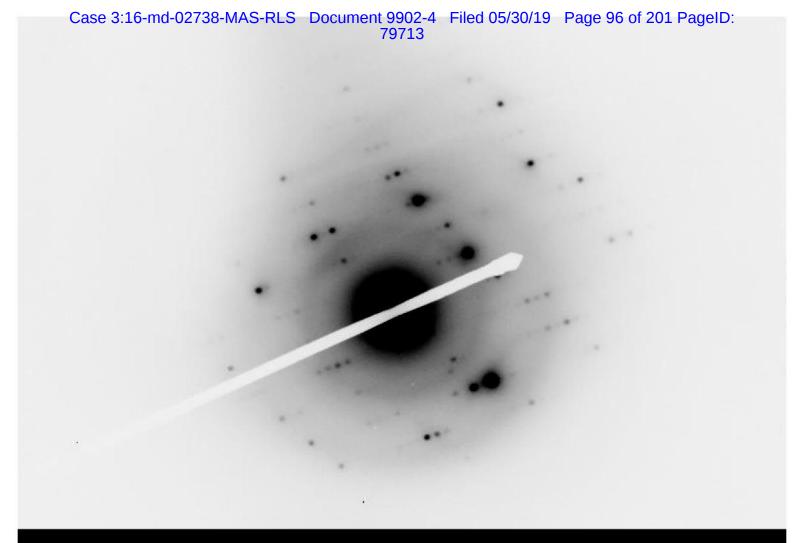
### Case 3:16-md-02738-MAS-RLS Document 9902-4 Filed 05/30/19 Page 94 of 201 PageID: 79711

		TEM	<b>Bulk Talc Structure C</b>	ount Sheet			
Project/ Sample No.	M68503	-028	Grid Box#	8637	No. of Grids Counted	2	
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area	
Date of Analysis	10/31/2	018	G. O. in microns =	105	105	11025	
Initial Weight(g)	0.031	35	G. O. In microns –	105	105	105 11025 105 11025 Average 11025	
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025	
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100	
4	Screen Magnification	20 KX	Area Exa	mined mm²		1.103	

		1	Asbestos		1 - 4 - 5 - 1		1 1000	
Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS

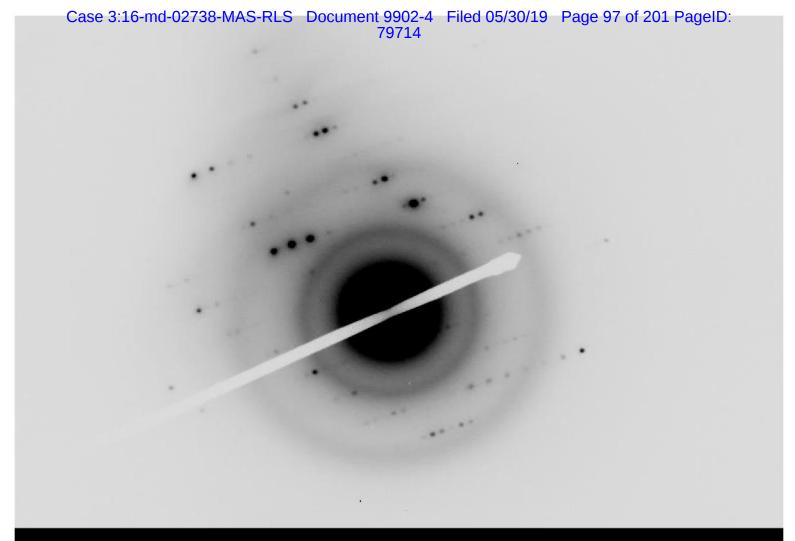
Org. Sample Wt.	Sample Wt. Post HL Separation					
0.03135	0.03135	g				
Percent of Orig. Post Separation	100	(%)				
Wt. Of Sample Analyzed	0.00017187	g				
Filter size	201.1	mm²				2.
Number of Structures Counted	3	Str.	1719	tection Limit	5.82E+03	Str./g
Structures per Gram of Sample	1.75E+04	Str./g		alytical nsitivity	5.82E+03	Str./g





M68503-028-001 Anthophyllite Diffraction 1 @ 50cm

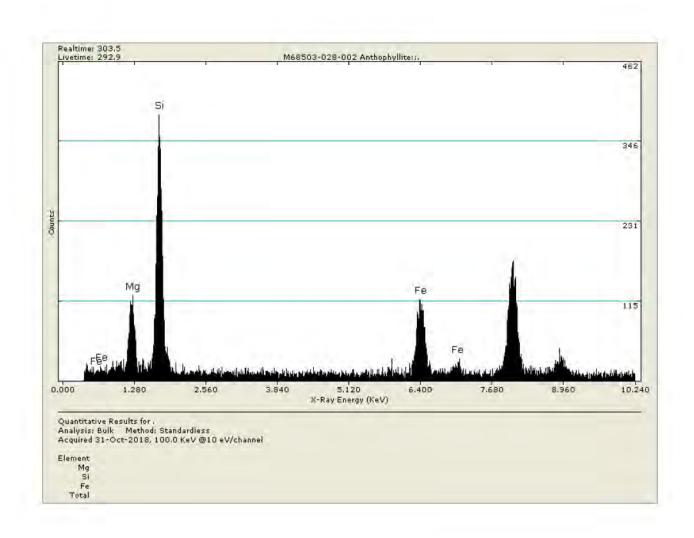
10/31/2018

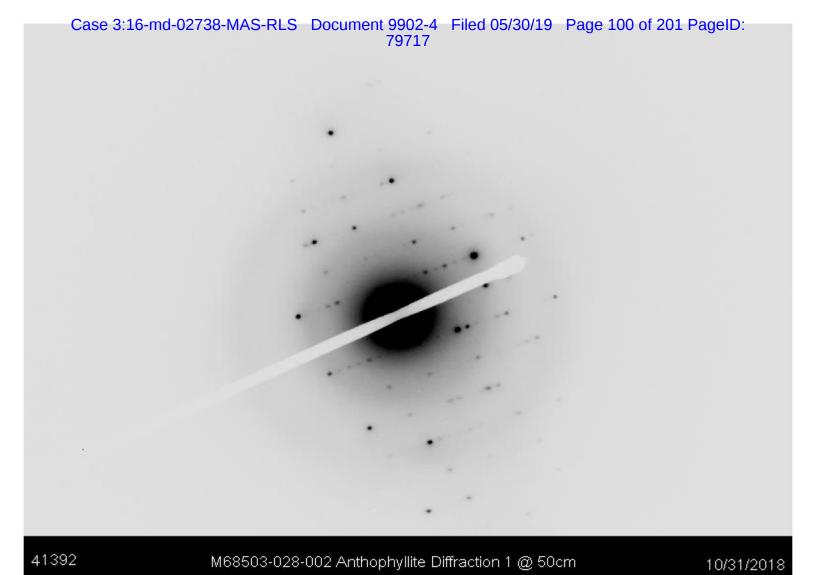


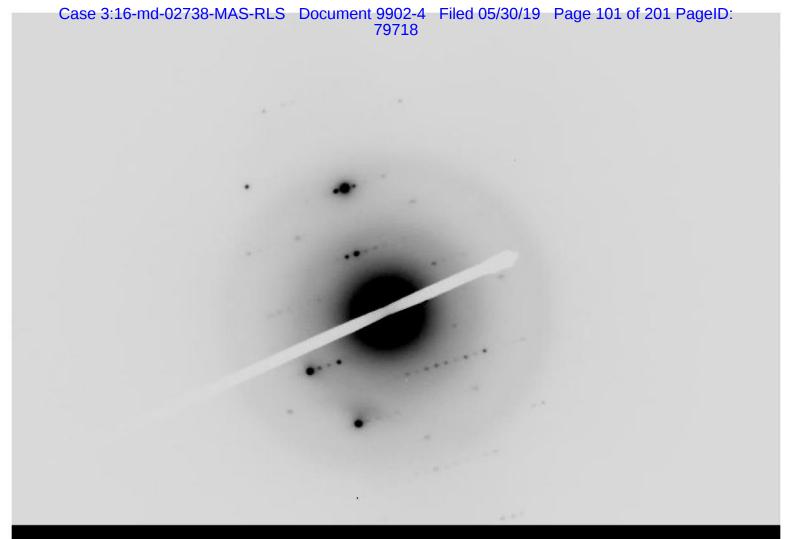
M68503-028-001 Anthophyllite Diffraction 2 @ 50cm

10/31/2018



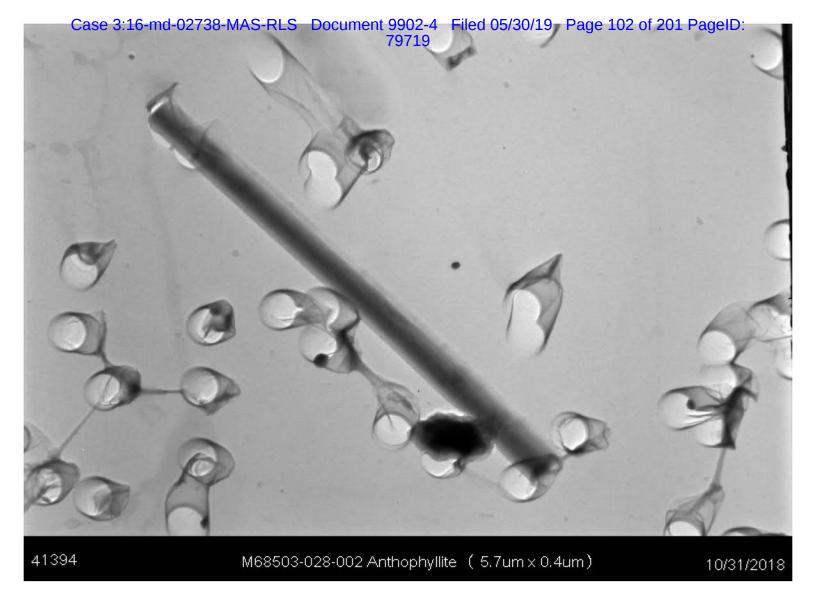


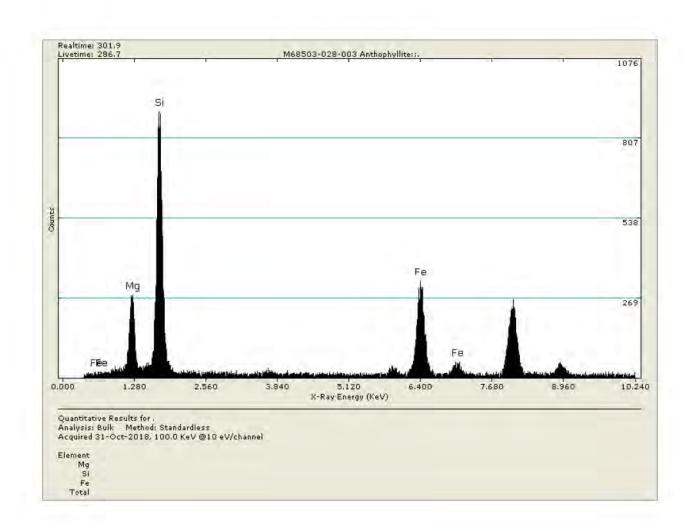


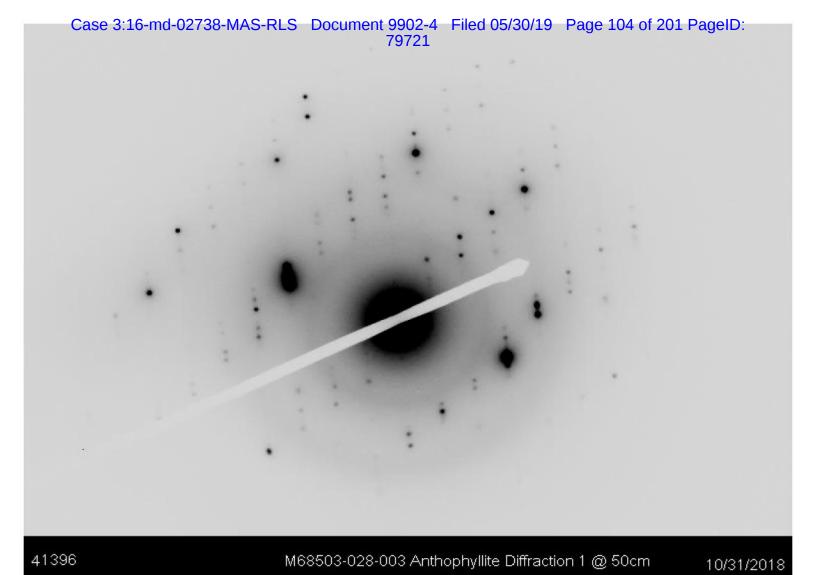


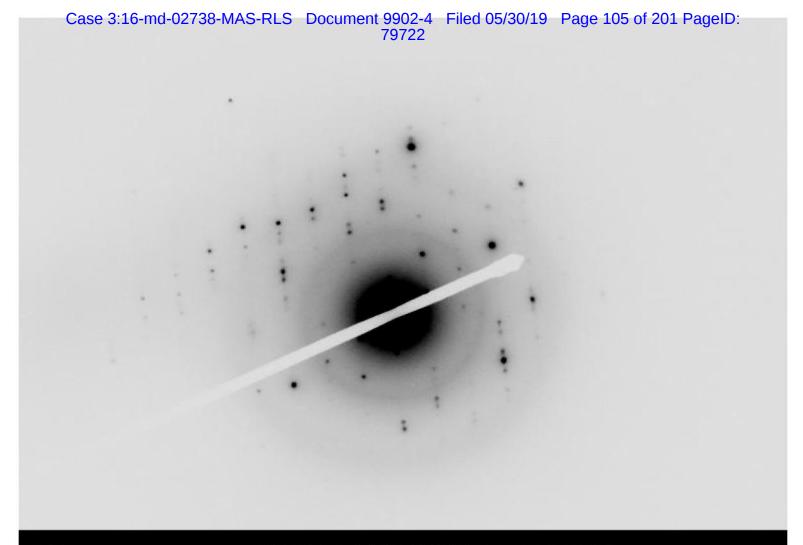
M68503-028-002 Anthophyllite Diffraction 2 @ 50cm

10/31/2018

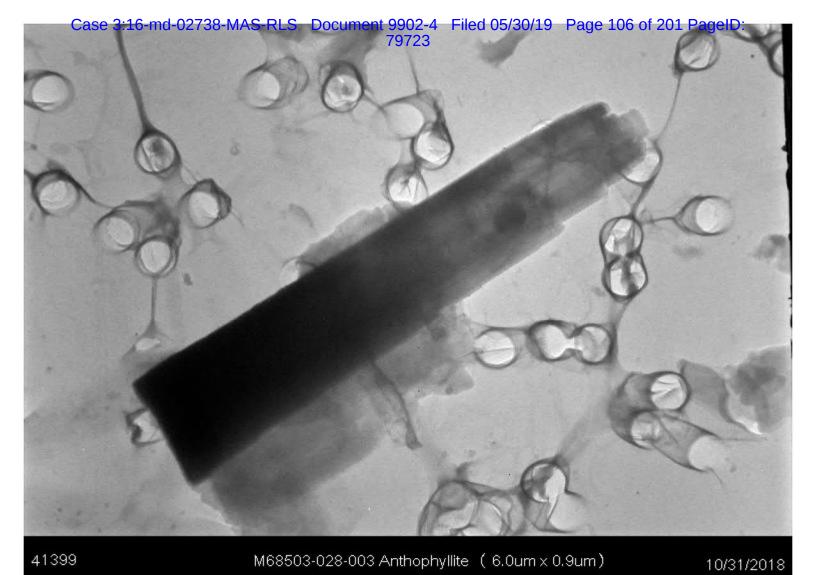








M68503-028-003 Anthophyllite Diffraction 2 @ 50cm



		TEM Bulk	Talc Structur	e Count S	Sheet	
Project/ Sample No.	M68503	3-028	Grid Box#	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G.O. Area
Date of Analysis	10/31/	/208	G. O. in	105	105	105
Initial Weight(g)	0.031	135	microns =	105	105	105
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area	Examined	mm²	1.103

Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
NSA	B10	1-2-2-7-2/0-1				No Fibrous Talc Observ	

# **Section 9**

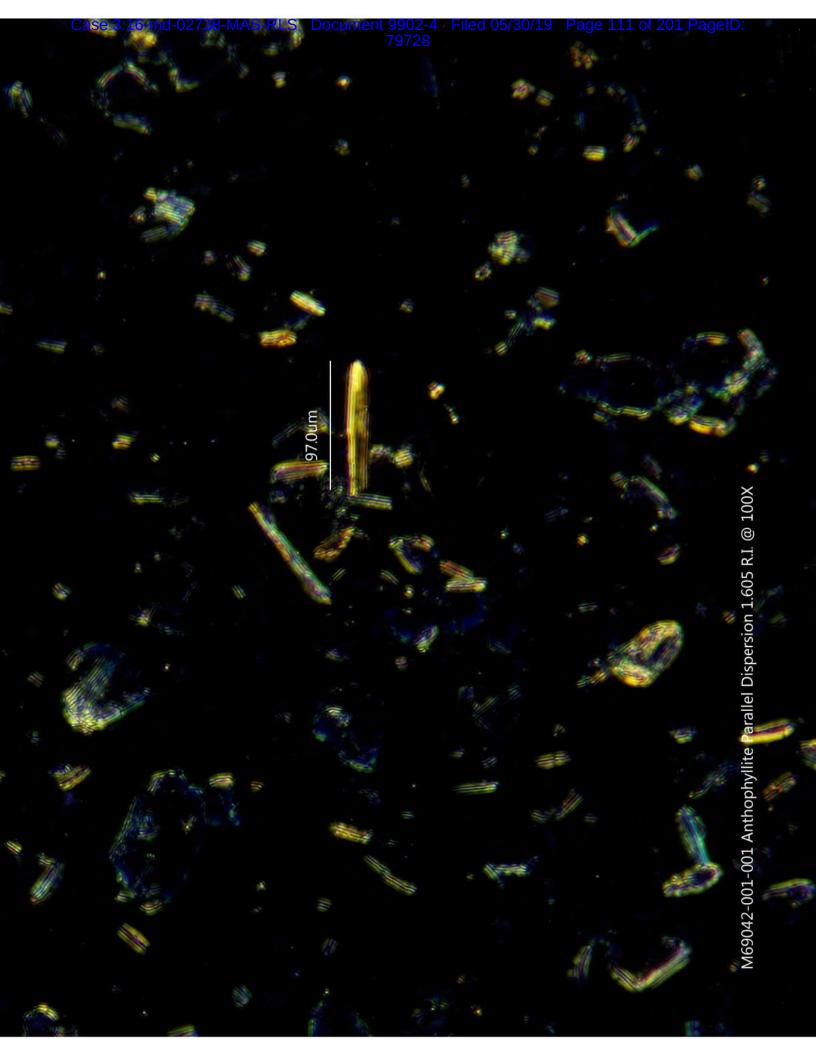
## MAS, LLC PLM ANALYSIS

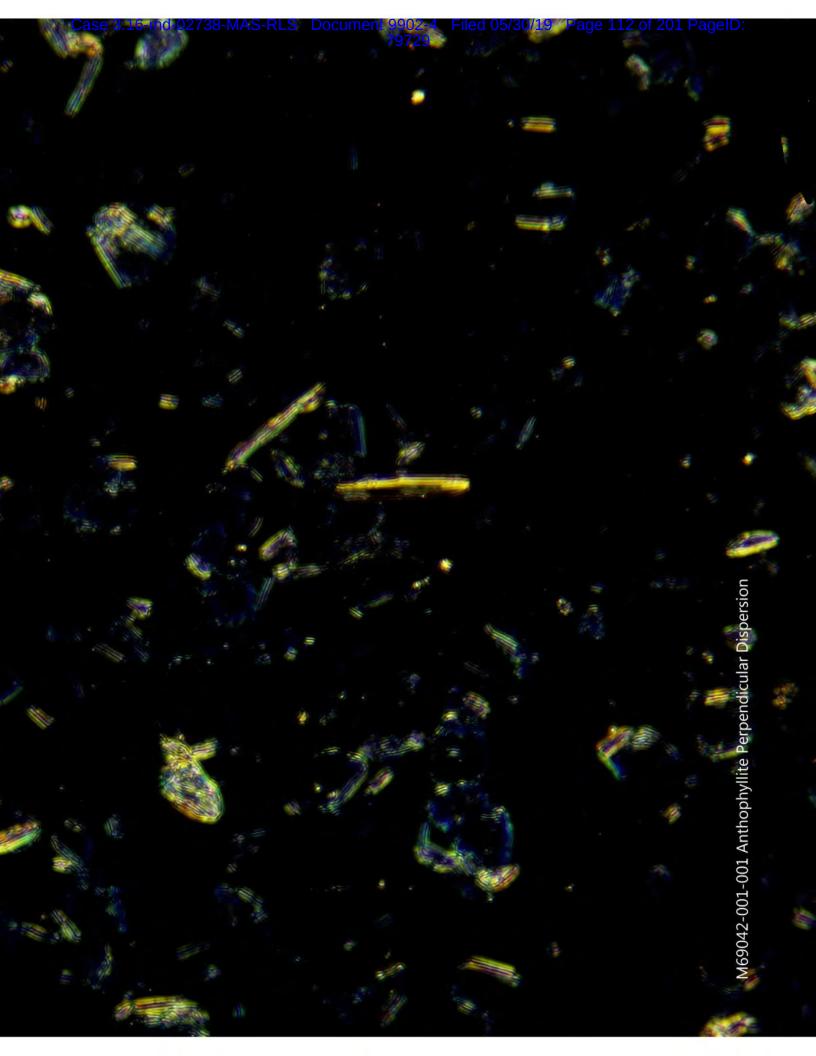
	M69042 - 001	Analyst Paul Hess	Date 10/11/2018
ientName LE\	/Y & KONIGSBERG	Spl 20180056-02D	
cation			71.1
pe_Mat Joh	nson & Johnson Talcum F	Powder	
17 - C	te powder		% of Sample 100
iross <u>Off-whi</u> /isual	te powder		/6 Of Sample 100
iouui			
	ODTICAL DA	TA FOR ASPESTOS IDENTIF	ICATION
	OPTICAL DA	TA FOR ASBESTOS IDENTIF	ICATION
Morphology	straight	straight	
Pleochroism	none	none	
Refract Index	1.635/1.620	1.630/1.615	
Sign^	positive	positive	
Extinction	oblique	parallel	
Birefringence	moderate	moderate	
Melt	no	no	
Fiber Name	Actinolite/Tremolite	Anthophyllite	
ASBESTOS M		-	
Crocidolite		<0.1	_
Crocidolite Tremolite/Actir Anthophyllite DTHER FIBRO	nolite DUS COMPONENTS	<0.1 <0.1	
Crocidolite Tremolite/Actir Anthophyllite DTHER FIBRO	nolite DUS COMPONENTS	< 0.1	
Talc -B/Y DS in	nolite DUS COMPONENTS	< 0.1	
Crocidolite Tremolite/Actir Anthophyllite OTHER FIBRO Talc -B/Y DS in	DUS COMPONENTS	< 0.1	
Crocidolite Tremolite/Actir Anthophyllite OTHER FIBRO Talc -B/Y DS in	DUS COMPONENTS	< 0.1 ***	
Crocidolite Tremolite/Actir Anthophyllite OTHER FIBRO Talc -B/Y DS in	DUS COMPONENTS	< 0.1  ***	
Crocidolite Tremolite/Actir Anthophyllite OTHER FIBRO Falc -B/Y DS in NON FIBROUS Opaques Falc	DUS COMPONENTS 1.55  S COMPONENTS	< 0.1  ***  X  X	
Crocidolite Tremolite/Actir Anthophyllite  OTHER FIBRO Falc -B/Y DS in  NON FIBROUS  Dpaques Falc Mineral grains	DUS COMPONENTS 1.55  S COMPONENTS	< 0.1  ***  X  X	
Crocidolite Tremolite/Actir Anthophyllite OTHER FIBRO Falc -B/Y DS in  NON FIBROUS Opaques Falc Mineral grains  Binder Descrip	DUS COMPONENTS  1.55  S COMPONENTS  Dition	< 0.1  ***  X  X	

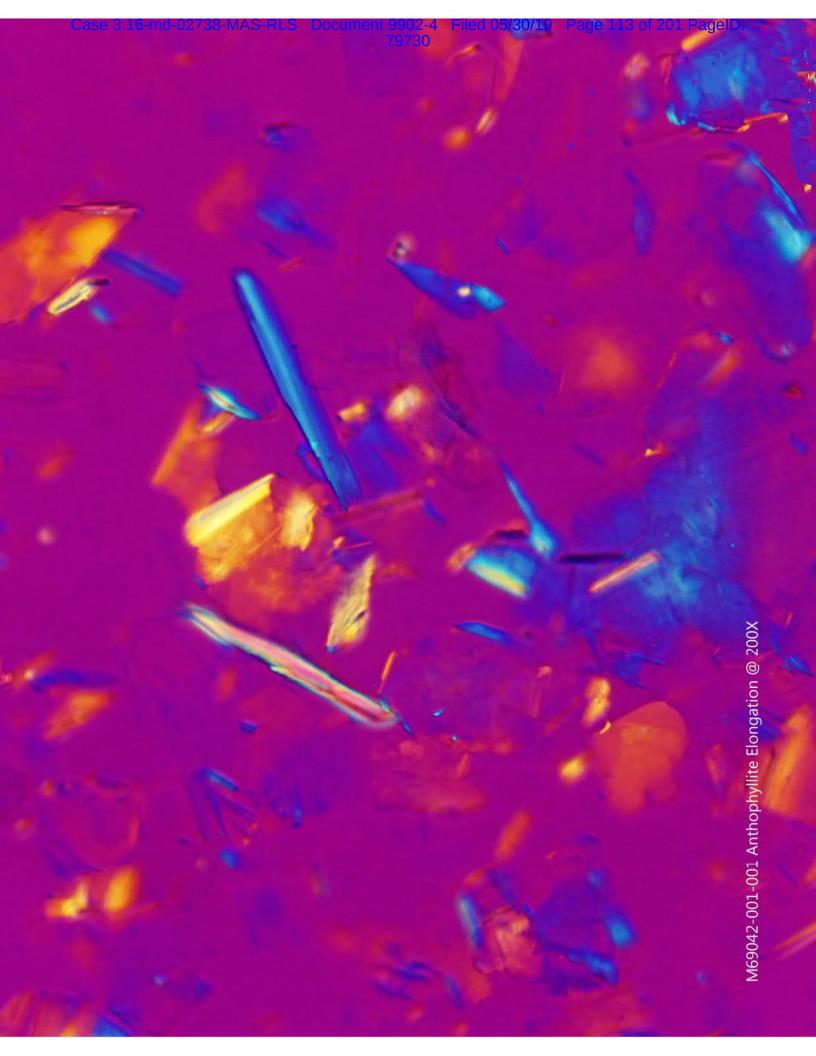
The method detection limit is 1% unless otherwise stated.

## MAS, LLC PLM ANALYSIS

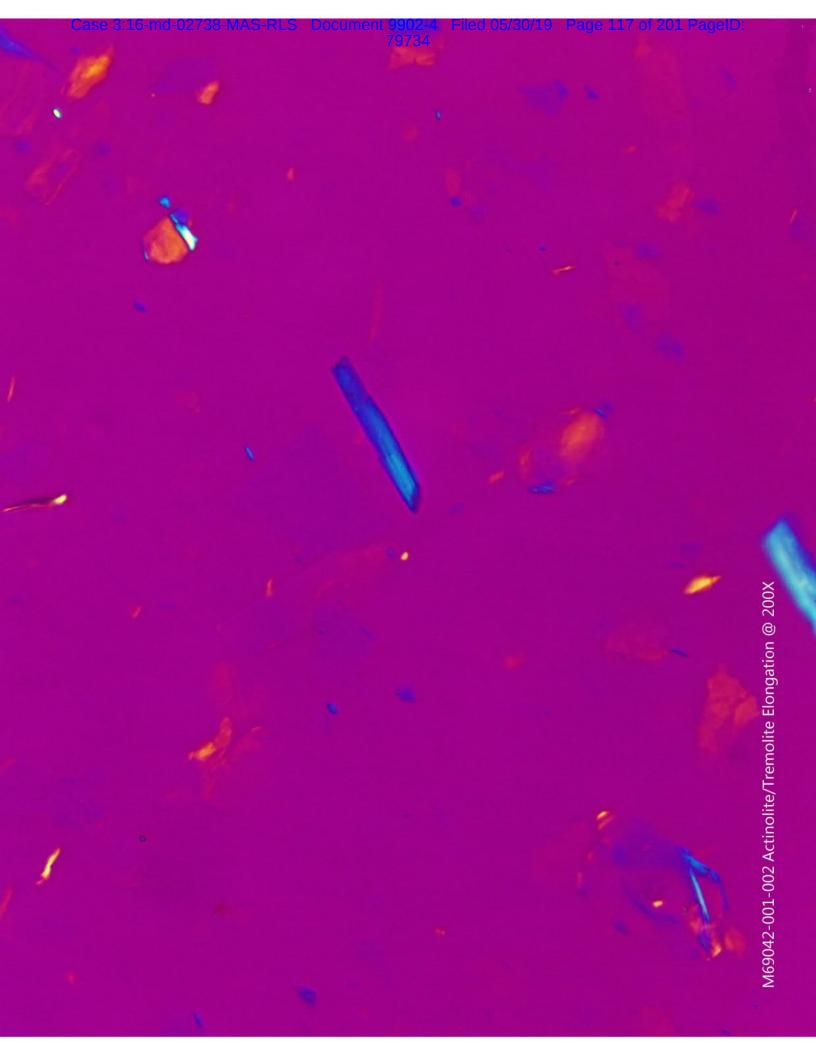
oj#-Spl#	M69042 - 001BL	Analyst Paul Hess	Date 10/15/2018
ientName LEV	Y & KONIGSBERG	Clients	Spl 20180056-02D
cation			
pe_Mat Joh	nson & Johnson Talcum	Powder	
ross White d	ebris on slide		% of Sample 100
/isual			
	OPTICAL D	ATA FOR ASBESTOS IDENTIFIC	CATION
lean naithean			
Morphology	straight		-
Pleochroism	none	-	
Refract Index	1.635/1.620 positive		
Sign^ Extinction	oblique		+
Birefringence	moderate		-
Melt	no		1
Fiber Name	Actinolite/Tremolite		
For Septembly	Tree states and a state of the		
ASBESTOS M	INERALS	EST. VOL. %	
THER FIBRO	OUS COMPONENTS		-
NON FIBROUS	S COMPONENTS		-
Opaques		X	-
Talc		X	<u> </u>
Mineral grains		X	5
Binder Descrip	otion	-	-
Association in			
Comm	ents Actinolite/Tremolit	te asbestos observed. X=Material	s Detected.
	1		
	-	The method detection	n limit is 1% unless otherwise sta
			The second secon

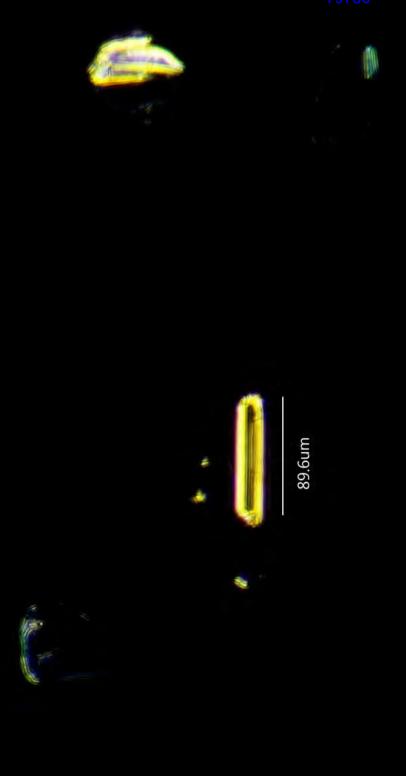












M69042-001BL-001 Actinolite/Tremolite Parallel Dispersion 1.605 R.I. @ 100X



M69042-001BL-001 Actinolite/Tremolite Elongation @ 200X



M69042-001BL-001 Actinolite/Tremolite Crossed Polars

		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M69042	-001	Grid Box#	8637	No. of Grids Counted	2
Analyst:	Mehrdad Me	otamedi		Length	Width	G. O. Area
Date of Analysis	10/25/2018-10	0/26/2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.0407	77	G. O. In microns –	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Exa	mined mm²		1.103

C4 #	C-14 C1-	Ct.	Asbestos	1.22.24	14/5-141	D-#	CAED	FRE
Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS
NSD	A2-A1							
NSD	A2							
NSD	A3							_
NSD	A4							
NSD	A5		1			1		
NSD	A6							
NSD	A7							
NSD	A8							
NSD	A9							
NSD	A10							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4				P I			
NSD	B5							
NSD	B6							
NSD	B7							1
1	B8	Fiber	Anthophyllite	14.4	0.4	36.0	X	X
NSD	B9	1.00-07	Justine projection	17.31.1		133070	- 11	7.
NSD	B10							1
NSD	C1							
NSD	C2		1					1
NSD	C3		1					+
NSD	C4							1
NSD	C5		-					+
NSD	C6		-					1
			-					-
NSD	C7		-					
NSD	C8				1	-		1
NSD	C9							
NSD	C10							
NSD	D1							
NSD	D2							
NSD	D3		4			4		
NSD	D4							
NSD	D5							
NSD	D6					T		
NSD	D7							
NSD	D8							
NSD	D9							
2	D10	Fiber	Anthophyllite	2.3	0.4	5.8	X	X
NSD	E1							
NSD	E2							
NSD	E3							
NSD	E4		-					
NSD	E5							1
NSD	E6							1
NSD	E7							
NSD	E8							1
NSD	E9							
NSD	E10		1	_				1

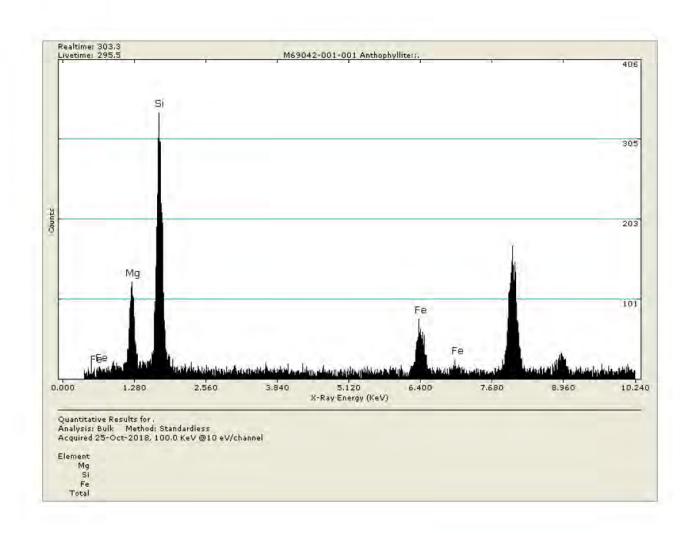
		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M69042-001		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad Motamedi			Length	Width	G. O. Area
Date of Analysis	10/25/2018-10	0/26/2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.040	77	G. O. III INICIONS =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Exa	mined mm²		1.103

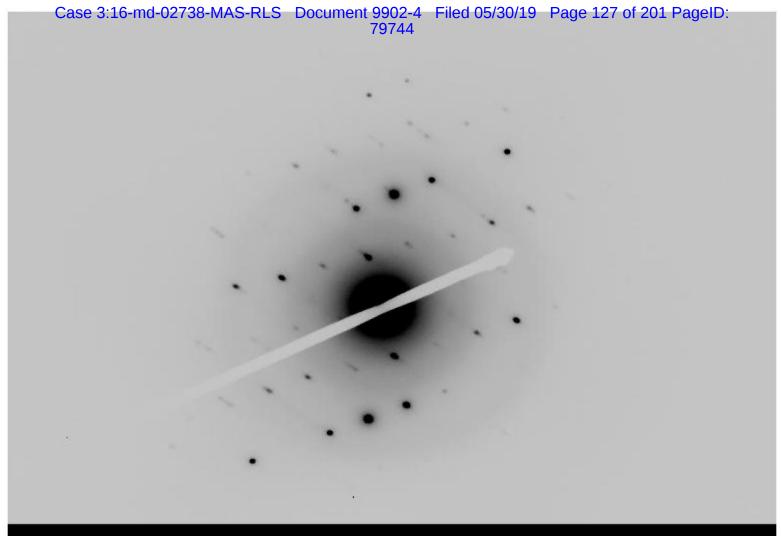
Str.#	Grid Opening	Structure	Asbestos Type	Longth	Width	Ratio	SAED	EDS
		Structure	туре	Length	vvidtri	Ratio	SAED	EDS
NSD	A3-A1	Donalla	A sale see to although	45.7	2	7.0		
3	A2	Bundle	Anthophyllite	15.7	2	7.9	X	X
NSD	A3							-
NSD	A4							-
NSD	A5							1
NSD	A6							-
NSD	A7							-
NSD	A8							1
NSD	A9							-
NSD	A10							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4					4		
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							1
NSD	B10							
NSD	C1							1
NSD	C2							1
NSD	C3							1
NSD	C4							1
NSD	C5							1
4	C6	Fiber	Anthophyllite	10	0.2	50.0	X	×
NSD	C7	i ibei	Anthopriyinte	10	0.2	30.0	^	
NSD	C8							+
NSD	C9		+					+
	C10	Bundle	Anthophyllite	22.5	2.5	9.0	V	- V
5 NSD	D1	Dunale	Anthopriyinte	22.5	2.5	9.0	X	X
								-
NSD	D2		-					+
NSD	D3		-					+
NSD	D4							1
NSD	D5							
NSD	D6							1
NSD	D7		-					1
NSD	D8							
NSD	D9					4		
NSD	D10							
NSD	E1							
NSD	E2	1	. 1			2 2 1		3
NSD	E3							
NSD	E4					1		
NSD	E5				j le			
NSD	E6						1	
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							1

		TEM	<b>Bulk Talc Structure C</b>	ount Sheet			
Project/ Sample No.	M69042-001		M69042-001 Grid Box #		8637	No. of Grids Counted	2
Analyst:	Mehrdad M	otamedi		Length	Width	G. O. Area	
Date of Analysis	10/25/2018-1	0/26/2018	G. O. in microns =	105	105	11025	
Initial Weight(g)	0.040	77	G. O. In microns –	105	105	11025	
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025	
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100	
4	Screen Magnification	20 KX	Area Exa	mined mm²		1.103	

			Asbestos		7 - 4 - 5 - 1		1 1000	1
Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS

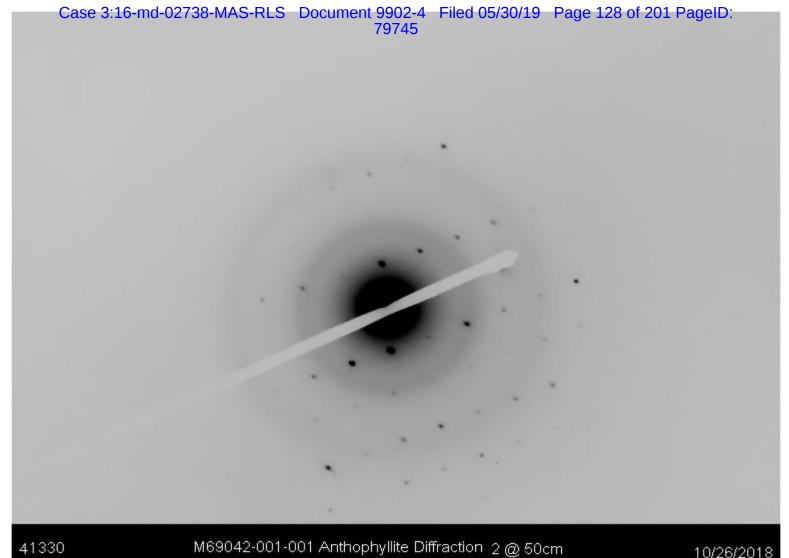
Org. Sample Wt.	Sample Wt. Post HL Separation				
0.04077	0.04077	g			
Percent of Orig. Post Separation	100	(%)			
Wt. Of Sample Analyzed	0.00022352	g			
Filter size	201.1	mm²			4
Number of Structures Counted Structures	5	Str.	ection imit	4.47E+03	Str./g
per Gram of Sample	2.24E+04	Str./g	alytical sitivity	4.47E+03	Str./g



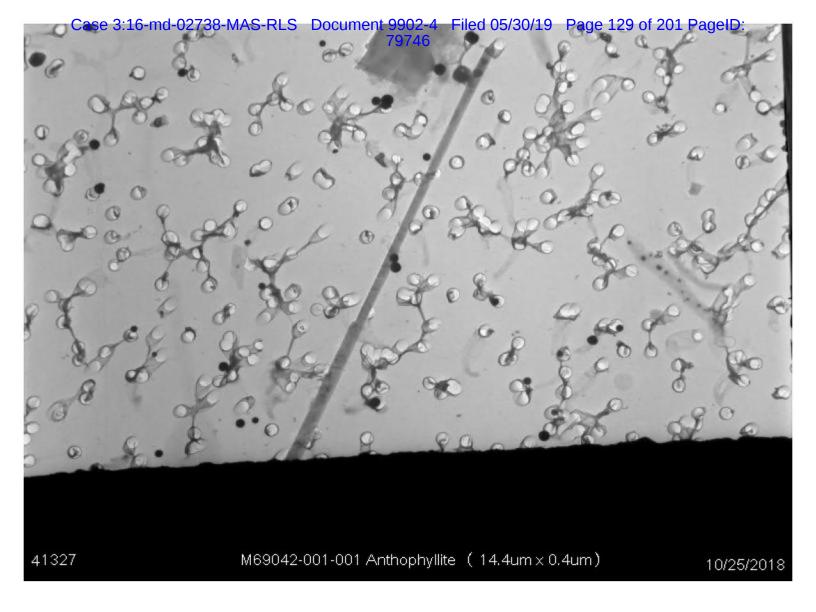


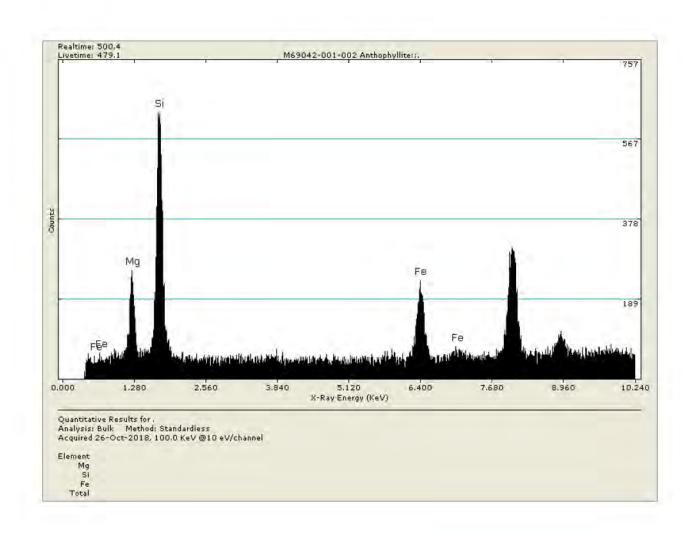
M69042-001-001 Anthophyllite Diffraction 1 @ 50cm

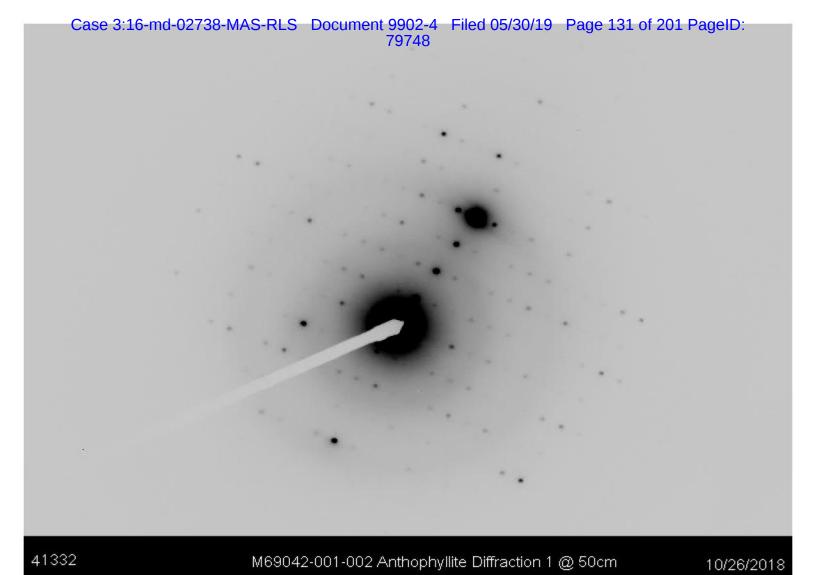
10/25/2018

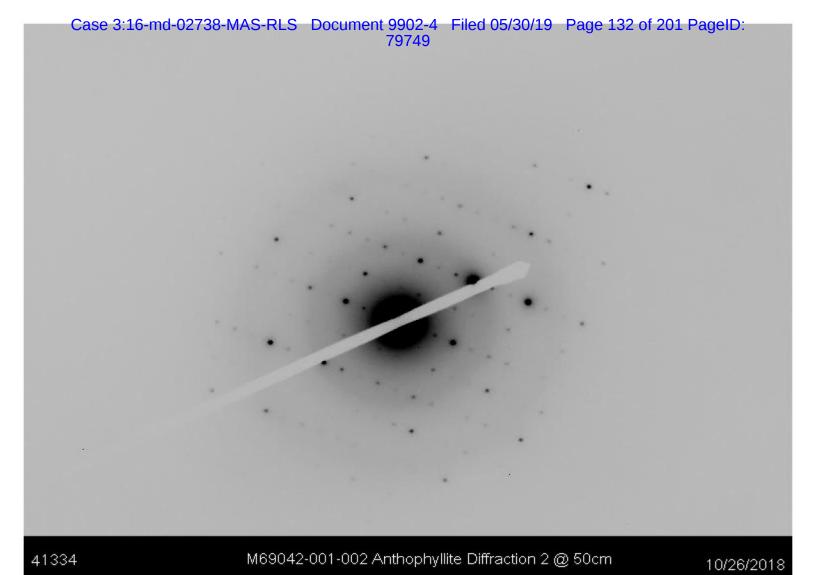


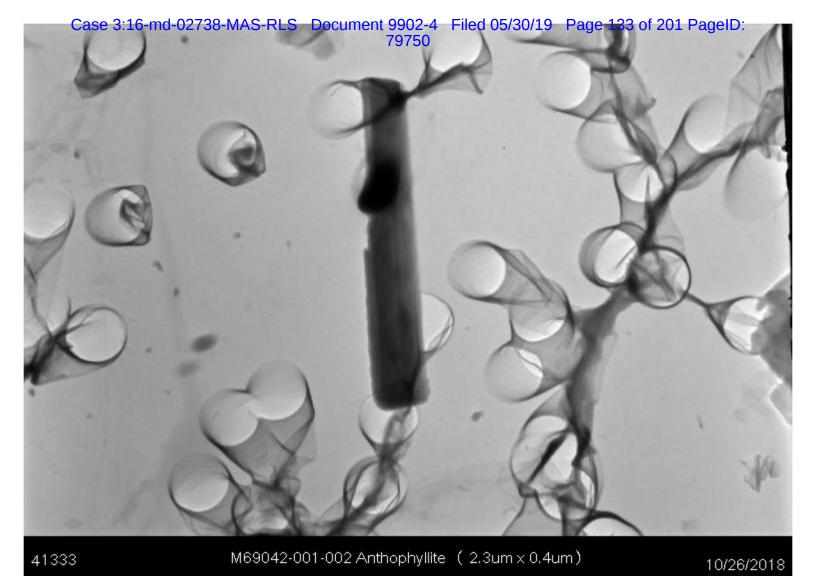
M69042-001-001 Anthophyllite Diffraction 2@50cm

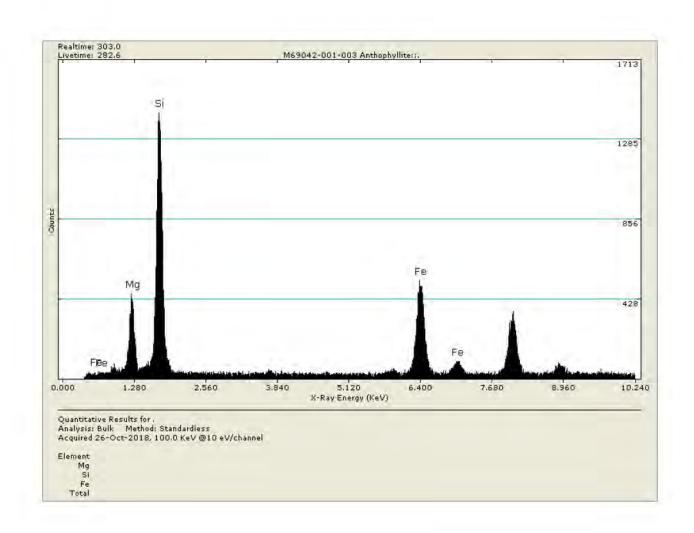


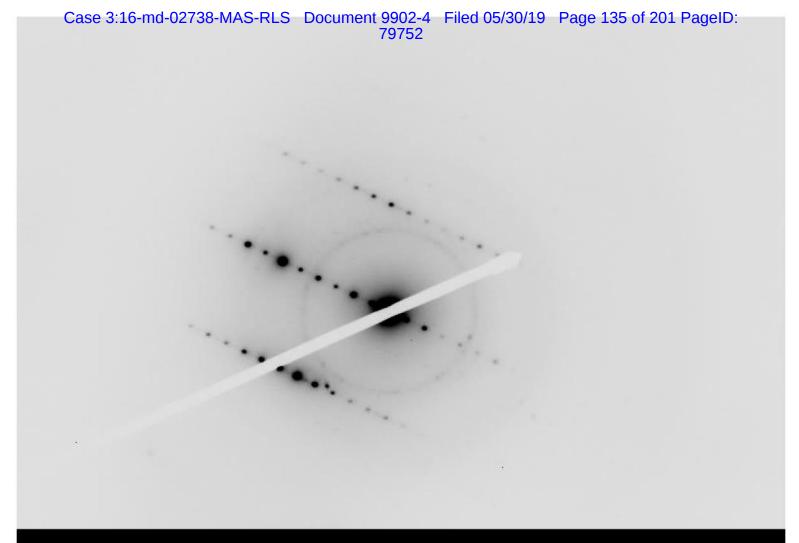




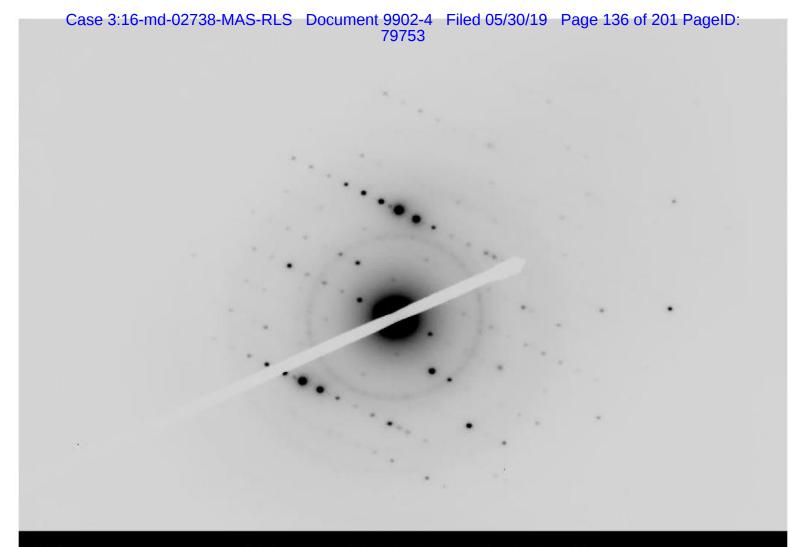




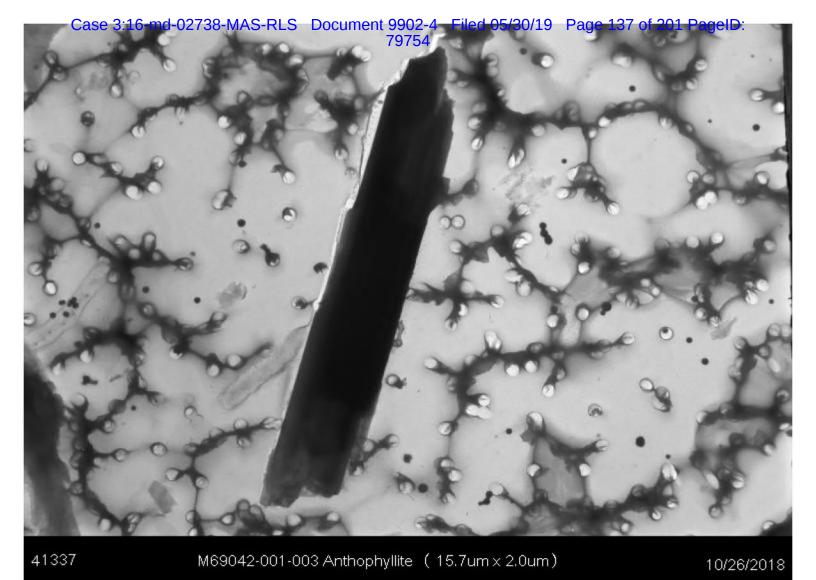


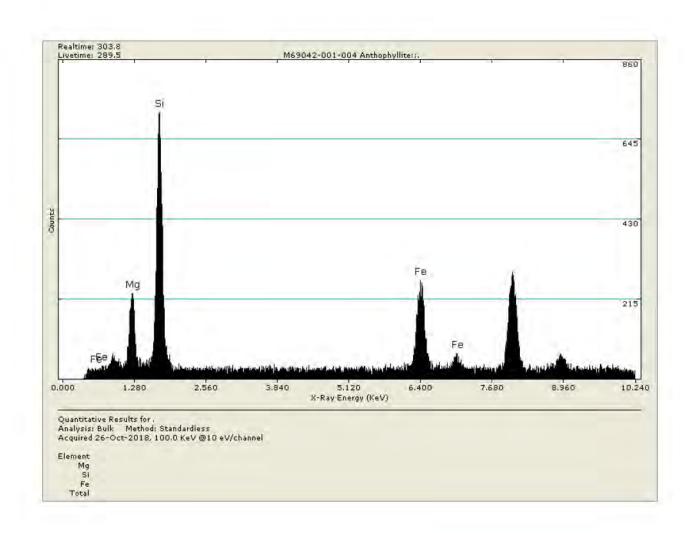


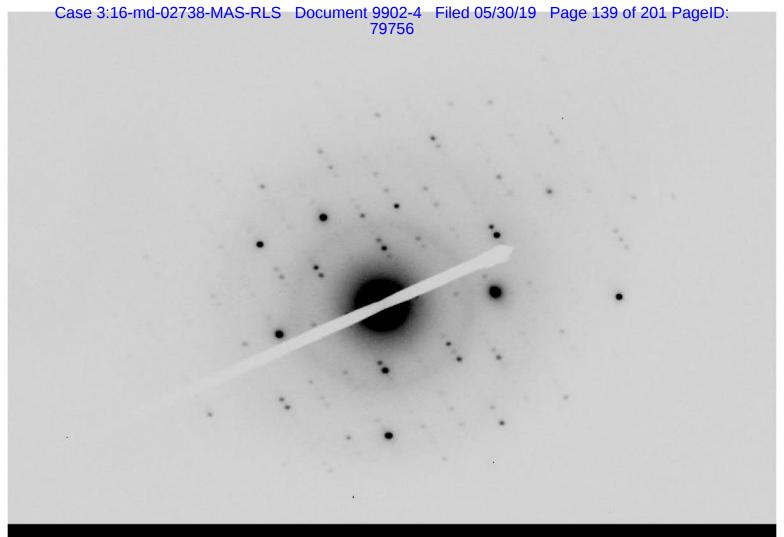
M69042-001-003 Anthophyllite Diffraction 1 @ 50cm



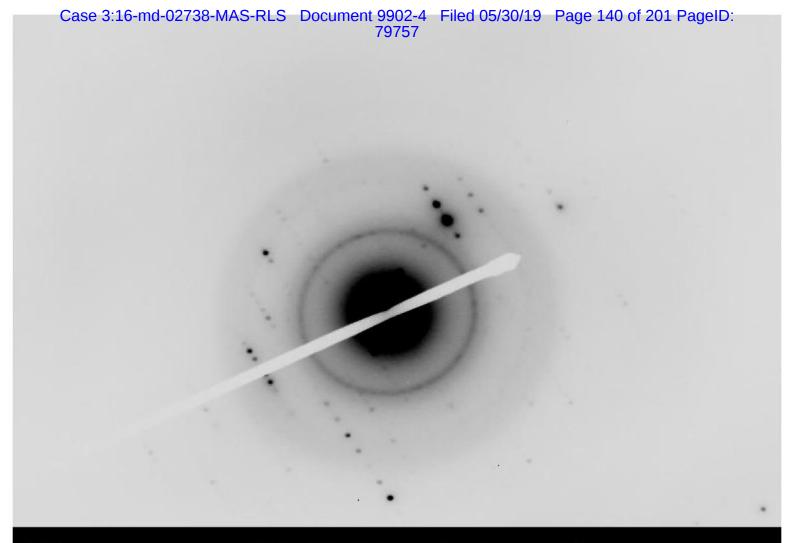
M69042-001-003 Anthophyllite Diffraction 2 @ 50cm



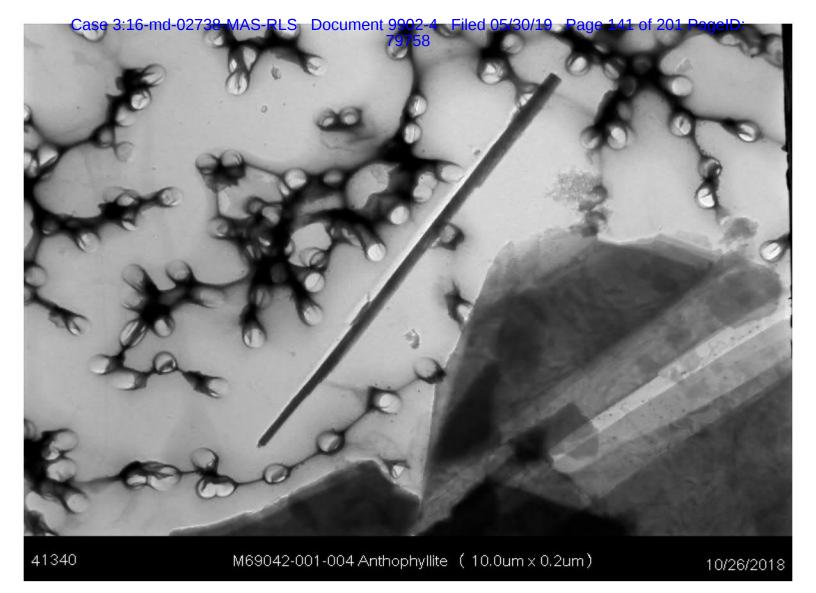


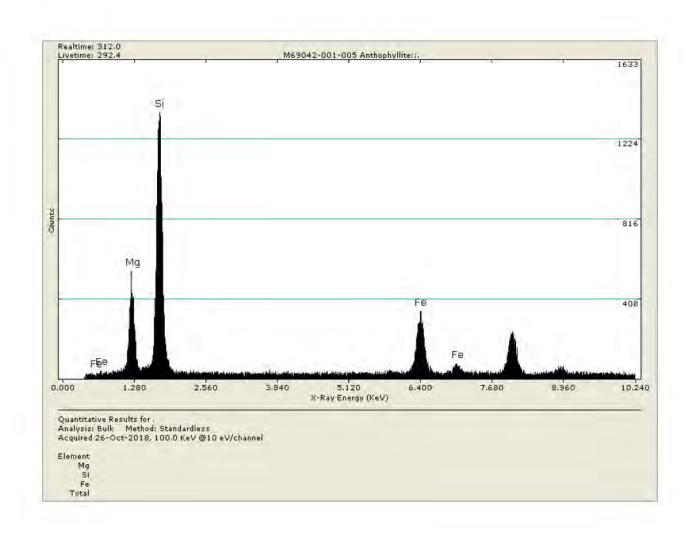


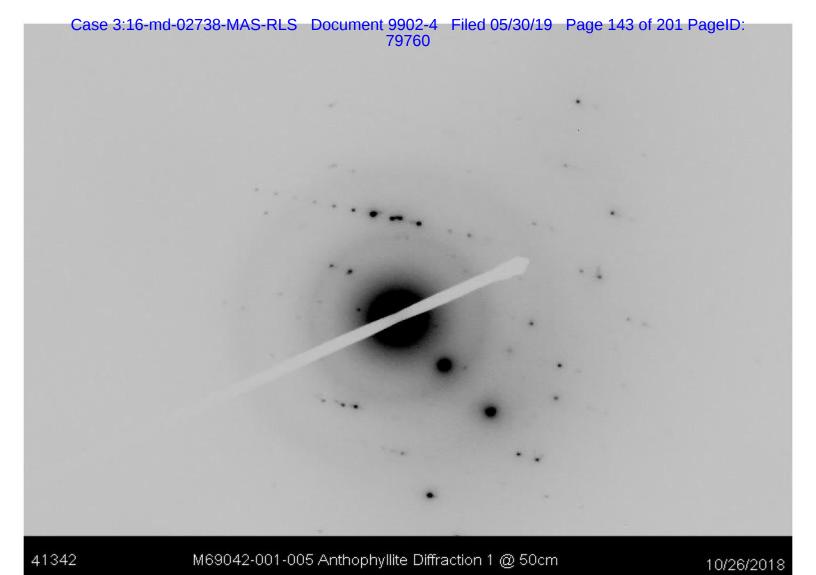
M69042-001-004 Anthophyllite Diffraction 1 @ 50cm

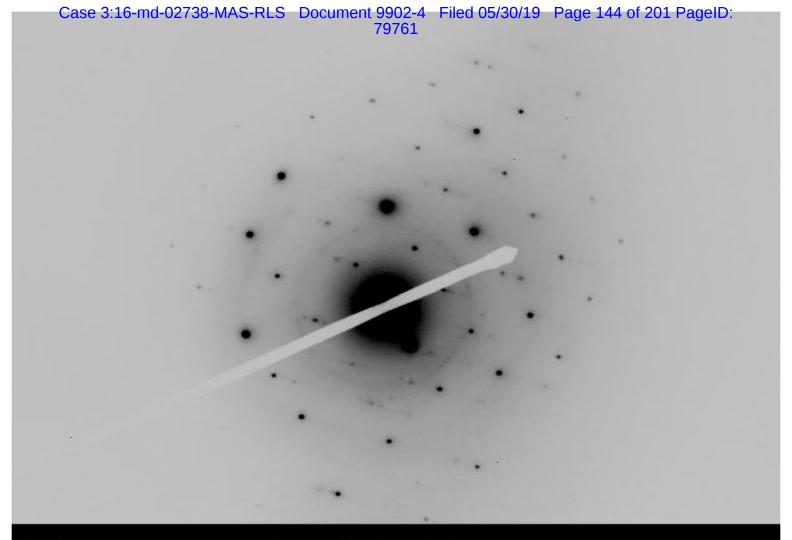


M69042-001-004 Anthophyllite Diffraction 2 @ 50cm

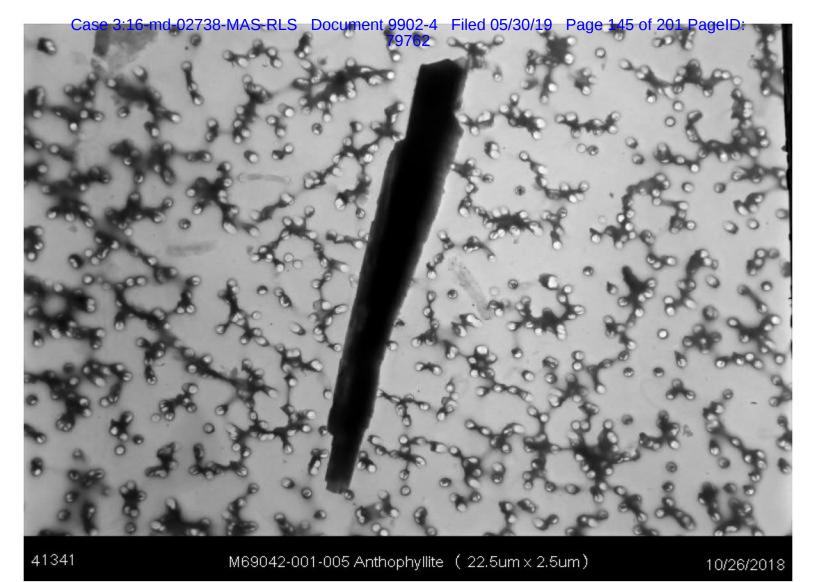








M69042-001-005 Anthophyllite Diffraction 2 @ 50cm



### 

		TEM Bulk	Talc Structur	e Count S	heet	
Project/ Sample No.	M69042	2-001	Grid Box#	8637	No. of Grids Counted	2
Analyst:	Mehrdad M	lotamedi		Length	Width	G.O. Area
Date of Analysis	10/25/2018-	10/26/2018	G. O. in	105	105	105
Initial Weight(g)	0.040	)77	microns =	105	105	105
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area	Examined	mm²	1.103

Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
NSD	A2-A1	[				No Fibrous Tal	c Observe

### **Section 10**



### Sample 20180061-02D (J3 Lab ID: STS 1611A)



Sample as received by J3 Resources, Inc.

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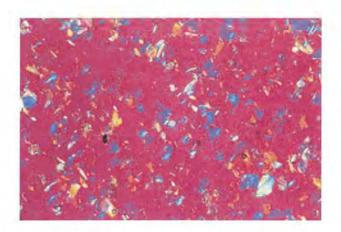
### Determination of Asbestos in Talc by PLM ISO 22262-1:2014

### Sample 20180061-02D

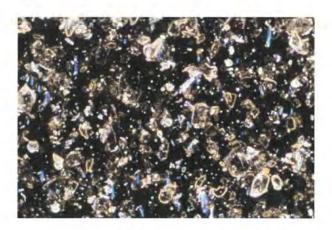
The sample was a white powder containing 85% medium to large platy Talc particles ( $100\mu m$  to >200 $\mu m$  in size) and Talc rods. The remaining 15% percent was composed of carbonate material.

No asbestos was detected by PLM.

### **Polarized Light Microscope Images**



100X Magnification of Talc Particles Crossed polars and 530nm gypsum compensator plate



100X Magnification dispersion staining of Talc Particles 1.550 refractive index oil

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### Determination of Asbestos in Talc by ATEM ISO 22262-2:2014

### Sample 20180061-02D

J3 Order #: JH1898969

Analyst: Lee Poye

Customer: Joseph Satterley, Esq.

Date: 7-Jul-2018

Weight of Sample\*:

0.0179 g

Filter Size:

25 mm

resources, inc

Percent of Original Sample\*:

80%

Filter Pore Size:

0.2 µm

Suspension Volume:

1.5 mL

Area of Analytical Filter:

210 mm<sup>2</sup>

Filtered Suspension Volume:

0.1 mL

GO Size: 0.0132 mm<sup>2</sup>

GO Area Analyzed:

1.056 mm<sup>2</sup>

### **Results Summary**

Asbestos Structure Number	Length (μm)	Width (µm)	Aspect Ratio	Asbestos Type
N/D	N/A	N/A	N/A	None Detected
AVERAGE	N/A	N/A	N/A	

**Total Asbestos Structures:** 

0

Asbestos Mass Fraction: < 0.000000031%

Asbestos Mass Fraction of Original Sample: < 0.000000025%

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<sup>\*</sup> Sample was previously gravimetrically reduced.

### **Determination of Asbestos in Talc by ATEM**

LAB WORKSHEET

Customer: Joseph Satterley, Esq.

J3 Order #: JH1898969

Sample #: 20180061-02D

Analyst: Lee Poye

Date: 7-Jul-2018

resources, inc.

Page: 1 of 3

		A		Magnifica	tion Scan	at 3,000	X		
Grid	G.O. #	Non-	Asbestos	L x W (µm)	TYPE	r tale it—it los tellos temes	Images		Comments
		Asbestos	Tally	2 X VV (p.111)		EDS	Morphology	SAED	Comments
1	A1		NSD		·····				
	A2		NSD						
	А3		NSD						
	A4		NSD						
	A5		NSD						
	A6		NSD						
	A7		NSD						
	A8		NSD						
	A9		NSD						
	A10		NSD						
	B1		NSD						***************************************
	B2		NSD						
	В3		NSD						
	В4		NSD						
	B5		NSD						
	В6		NSD				1		
İ	В7		NSD		***************************************				
	В8		NSD		***************************************				
	В9		NSD						
	B10		NSD		***************************************				
2	В1		NSD				1		
1	B2		NSD				1		
	В3		NSD				1		
1	В4		NSD						
	B5	<b>✓</b>	NA	21 x 1.30	Talc	Yes			Fiber
	В6		NSD		7.0.0				TIDEI
	B7		NSD				1		
	B8		NSD		***************************************		<del> </del>		
$\neg$	B9		NSD						
-+	B10		NSD						
$\overline{}$	- 010		1430			_		<u> </u>	
$\dashv$		******			***************************************				
$\dashv$									
$\dashv$					·····				
								-	
$\dashv$									
- 1					***************************************				

JH1898969

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### **Determination of Asbestos in Talc by ATEM**

LAB WORKSHEET

Customer: Joseph Satterley, Esq.

J3 Order #: JH1898969

Sample #: 20180061-02D

Analyst: Lee Poye

Date: 7-Jul-2018

resources, inc.

Page: 2 of 3

2200 20			17		ation Scan	at b,000.	/\.		
Grid	G.O.#	Non-	Asbestos	LxW (µm)	TYPE		Images		Comments
		Asbestos	Tally			EDS	Morphology	SAED	Comments
2	C1		NSD		***************************************		<b>_</b>		
	C2		NSD						
	C3		NSD						
	C4		NSD						
	C5		NSD		***************************************				
	C6		NSD						
	C7		NSD						
	C8		NSD						
	C9		NSD	mund of the second					
	C10		NSD						
3	F1		NSD						
	F2		NSD						
	F3		NSD						
	F4		NSD						
	F5		NSD						
	F6		NSD		***************************************				
	F7		NSD				<u> </u>		
	F8		NSD		······································				
$\neg \neg$	F9		NSD						
	F10		NSD						
	G1		NSD						
<u>-</u>	G2		NSD						
<u>-</u>	G3		NSD						
<u>-</u>	G4		NSD						
	G5		NSD						
	G6	***************************************	NSD			-1	<del>                                     </del>		
-	G7		NSD	······································			<del>                                     </del>		
	G8		NSD				<del>                                     </del>		
	G9		NSD	····					
	G10		NSD						
-	-010		1130						
-									
$\dashv$				······································			<b> </b>	-	
-						-	1		
							<del>  </del>		10000
-									
$\dashv$									

JH1898969

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### **Determination of Asbestos in Talc by ATEM**

LAB WORKSHEET

Customer: Joseph Satterley, Esq.

J3 Order #: JH1898969

Sample #: 20180061-02D

Analyst: Lee Poye

Date: 7-Jul-2018

resources, inc.

**Page:** 3 of 3

				iviagnitic	ation Scan a	t 3,000	X		
Grid	G.O.#	Non-	Asbestos Tally	LxW (μm)	TYPE		Images		Comments
		Asbestos		EX VV (pm)	1114	EDS	Morphology	SAED	Comments
4	H1		NSD						
	H2		NSD						
	H3		NSD	***************************************					
	H4		NSD						
	H5		NSD						
	H6		NSD						
	H7		NSD						
	H8		NSD						
	H9		NSD						
	H10		NSD						
	11		NSD						
	12		NSD						
	13		NSD						
	14		NSD						
	15		NSD						
************	16		NSD						
······································	17		NSD			***			***************************************
	18		NSD						***************************************
	19		NSD						
	110		NSD		<del></del>				
		·				1	T		
						***	<u> </u>		
						1	<u> </u>		
							<del>                                     </del>		
					***************************************				
						1			***************************************
							<del> </del>		
						·			
								<del></del>	
$\neg$						<del> </del>			
			<del></del>						
$\dashv$	-+					<del> </del>			
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$\dashv$						-	<del>                                     </del>		
							<del>  </del>		

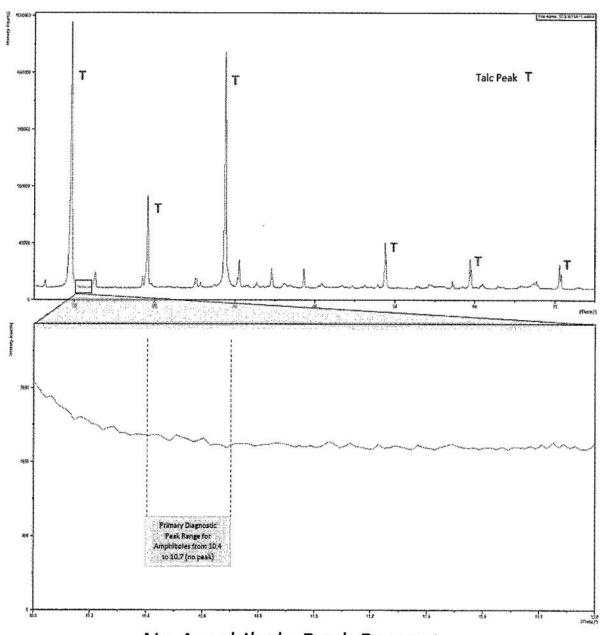
JH1898969

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### Determination of Asbestos in Talc by XRD ISO 22262-3:2016

### Sample 20180061-02D



No Amphibole Peak Present

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EXHIBIT E

# MARKETING, SALES PRACTICES, AND PRODUCTS LIABILITY LITIGATION IN RE JOHNSON & JOHNSON TALCUM POWDER PRODUCTS MDL NO. 16-2738 (FLW) (LHG)

### JOINT CATALOGUE

- 3	<del></del>	7	· · · · · · · · · · · · · · · · · · ·	·
	QUANTITY IN ORIGINAL CONTAINER/RECEPTACLE OR NEW RECEPTACLE AFFER DIVISION	~ 5.80 oz.	Notused	~ 0.510z.
	QUANTITY IN ORIGINAL CONTAINER OR RECEPTACLE BEFORE DIVISION	~ 6.30 0z.	NOT USED	
***************************************	QUANTITY ON LABEL OF ORIGINAL CONTAINER	1302.		
dana.	DATE ON ORIGINAL CONTAINER	1980-1981 1302		
	LABEL ON ORIGINAL CONTAINER	IMPROVEDI Shower to Shower Deodorant Body Powder With Baking Soda		
	SAMPLE Identification No.	515016		
	LABORATORY CONTROL NO.	2018_0006 -52	2018 000 52 C	2018 OOL - 52 D

- 52 D, ~0.5 lot. of 2018 006 (weight) Observer for plaintiffs hereby acknowledges receipt of 2018 000

Observer for

Observer for defendants hereby acknowledges witnessing the same.

Observer for Defendants

Laboratory technician hereby acknowledges that all remaining material from 2018 000

- 52 was returned to its original container or receptacle.

Laboratory Technician

Talc Samples ("Agreed Order"). Terms used herein have the same meaning as defined in the Agreed Order. The instant form has been adapted for use in connection with the initial division of Samples STS009, STS014, STS015, STS027, STS029, STS030, STS044, STS049 and 2014,001.0397, and further division This form is an Exhibit to the Agreed Order and Stipulation Regarding the Johnson & Johnson Defendants' Production of Talcum Powder Products and of Samples STS001, STS002, STS016, STS036, STS055 and STS065. Page 230 of 268



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Case 3:16-md-02738-MAS-RLS

# MARKETING, SALES PRACTICES, AND PRODUCTS LIABILITY LITIGATION IN RE JOHNSON & JOHNSON TALCUM POWDER PRODUCTS

MDL NO. 16-2738 (FLW) (LHG)

# JOINT CATALOGUE

QUANTITY IN ORIGINAL CONTAINER OR NEW RECEPTACLE AFTER DIVISION	2	~ 2.6702.	~ 3.39 02.	NOTUSED	~ 0.510£.	held at the Laboratory of and shipped to the			
ACTUAL QUANTITY IN ORIGINAL CONTAINER	~13,170E.						-63.	161-63.	
QUANTITY ON LABEL OF ORIGINAL CONTAINER	13 oz.					mple 2018 00lg	nple 2018_00¢	ample 2018 <u>() (</u>	as O.
DATE ON ORIGINAL CONTAINER	1980					Lof original Sar	of original Sar	2. of original S	61 - 63 was
LABEL ON ORIGINAL CONTAINER	IMPROVED! Shower to Shower DEODORANT BODY POWDER with Baking Soda					ss receipt of 2018 006 - 63 A, ~ 2.6 7 02.0f original Sample 2018 006   Sample 2018	Observer for plaintiffs hereby acknowledges receipt of 2018 0061 - 63 D, ~0.5102 · of original Sample 2018 0061 - 63 D, Observer for Plaintiffs Date	Observer for defendants hereby acknowledges receipt of 2018 $000 - 63$ B, $\sim 3.39$ 01. of original Sample 2018 $000 - 63$ Observer for Defendants Date	Laboratory technician hereby acknowledges that all remaining material from Sample 2018 006 - 63 was (check one): El replaced in its original container
SAMPLE IDENTIFICATION NO.	STS027	· "" · · · · · · · · · · · · · · · · · · ·				Observer for plaintiffs hereby acknowledges receipt of 2018 000g	ntiffs hereby acknowledge	ndants hereby acknowled	Laboratory technician hereby acknowledges that is (check one): Explaced in its original container the state of the state o
LABORATORY CONTROL NO.	2018 (2010 - 63	2018 00 (pl - 63 A	2018 00% - 63 B	2018 DD4 - Too c	2018_00[01 - 63_D	Observer for plaintiffs Observer for Plaintiffs	Observer for plaintiffs Observer for Plaintiffs	Observer for defendants Observer for Defendants	(check one): Z replac

This form is an Exhibit to the Agreed Order and Stipulation Regarding the Johnson & Johnson Defendants' Production of Talcum Powder Products and connection with the initial division of Samples STS009, STS014, STS015, STS027, STS029, STS030, STS044, STS049 and 2014.001,0397, and further division Tale Samples ("Agreed Order"). Terms used herein have the same meaning as defined in the Agreed Order. The instant form has been adapted for use in of Samples STS001, STS002, STS016, STS036, STS055 and STS065. Page 234 of 268



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Case 3:16-md-02738-MAS-RLS

# IN RE JOHNSON & JOHNSON TALCUM POWDER PRODUCTS MARKETING, SALES PRACTICES, AND PRODUCTS LIABILITY LITIGATION MDL NO. 16-2738 (FLW) (LHG)

# JOINT CATALOGUE

, , , , , , , , , , , , , , , , , , ,	· · · · · ·	····				. <b>5</b> 7	02		0,00,20
QUANTITY IN ORIGINAL CONTAINER OR NEW RECEPTACLE AFTER DIVISION	24	N 1.8302.	~ 1.930z.	NOTUSED	~ 0.4802.	20180061-65A will be held at the Laborator	and shipped to the MDL PEC separately.	•	
ACTUAL QUANTITY IN ORIGINAL CONTAINER	~ 8.50 oz.					+ 59 - 1		1-65.	61-65.
QUANTITY ON LABEL OF ORIGINAL CONTAINER	8 oz.					mple 2018_00/p		mple 2018_006	ample 2018_00
DATE ON ORIGINAL CONTAINER	1980-1981					of original Sa		of original Sar	1. of original S
LABEL ON ORIGINAL CONTAINER	Shower to Shower DEODORANT BODY POWDER with Baking Soda					Observer for plajntiffs hereby acknowledges receipt of 2018 0061 - 65 A, N 18304. of original Sample 2018 0061 - 65 * 2018 0061-65A will be held at the Laboratory	5   7   8 Date	Observer for plaintiffs hereby acknowledges receipt of 2018 006/ - 65 D, ~ 0.4f 01. of original Sample 2018 006/ - 65	Date   Date   198   Doct   - 65 B, w   9301. of original Sample 2018   Doct   - 65 B   - 65 B   October   -
SAMPLE IDENTIFICATION NO.	STS029	関語とは経験と				Hiffs hereby acknowledg	Tiffs	ntiffs hereby acknowledg	Observer for Plaintiffs  Observer for defendants hereby acknowledges receipt of 2018  5/17/1
LABORATORY CONTROL NO.	2018_OD[6]65	2018 0061 - 65 A	2018 DOQ - 65 B	2018 DOLD - 65 C	2018 006 - 65 D	Observer for plaja	Observer for Plaintiffs	Observer for plair	Observer for Plaintiffs Observer for defendant

. 65 was Laboratory technician hereby acknowledges that all remaining material from Sample 2018 000

Date

Observer for Defendants

Laboratory Technician

Date
Date
Ibit to the Agreed Order and Stipulation Regarding the Johns

connection with the initial division of Samples STS009, STS014, STS015, STS027, STS030, STS044, STS049 and 2014.001.0397, and further division This form is an Exhibit to the Agreed Order and Stipulation Regarding the Johnson & Johnson Defendants' Production of Talcum Powder Products and Tale Samples ("Agreed Order"). Terms used herein have the same meaning as defined in the Agreed Order. The instant form has been adapted for use in of Samples STS001, STS002, STS016, STS036, STS055 and STS065.

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### **Section 11**

### MAS, LLC PLM ANALYSIS

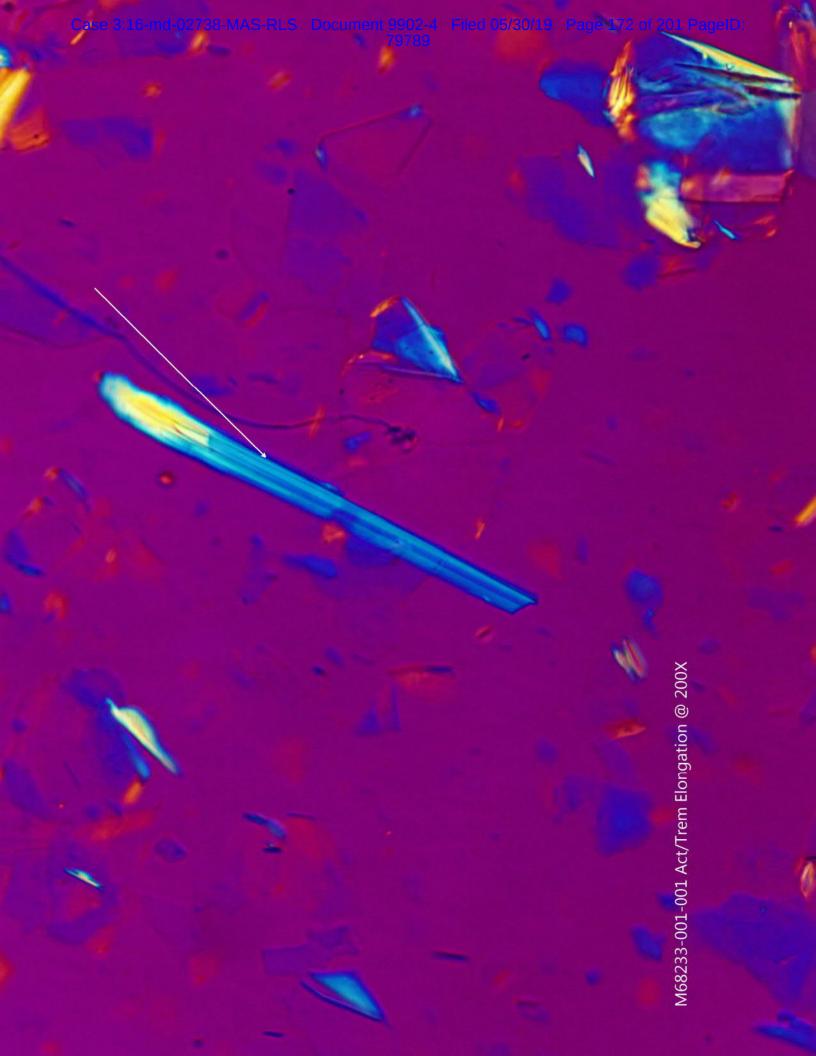
roj#-Spl#	M68233 - 001	Analyst	Paul Hess	Date 8/3/2018
ientName Lani	er Law	12-11	Clients	Spl 001
cation				
pe_Mat Johr	nson's Baby Powder (JB	3P084 06A1)		
cross white po	wder			% of Sample 100
/isual				
-				
	OPTICAL D	ATA FOR ASE	BESTOS IDENTIFI	CATION
Morphology	straight			
Pleochroism	none			
Refract Index	1.625/1.610			
Sign^	positive			
Extinction	oblique			
Birefringence	moderate			
Melt	no			
Fiber Name	Tremolite/Actinolite			
Chrysotile Amosite Crocidolite Tremolite/Actin Anthophyllite  DTHER FIBRO Falc -B/Y DS in 1	olite		<0.1 ***	
	COMPONENTS		X	-
			Х	7
100000		-	X	-
Opaques Talc Mineral grains Binder Descrip	tion		X	74 7 2 5
Comme	Actinolite/Tremolifragments/particle	es exhibiting <3	-1 length-width rat	Tremolite cleavage io observed. *** Trace amount o

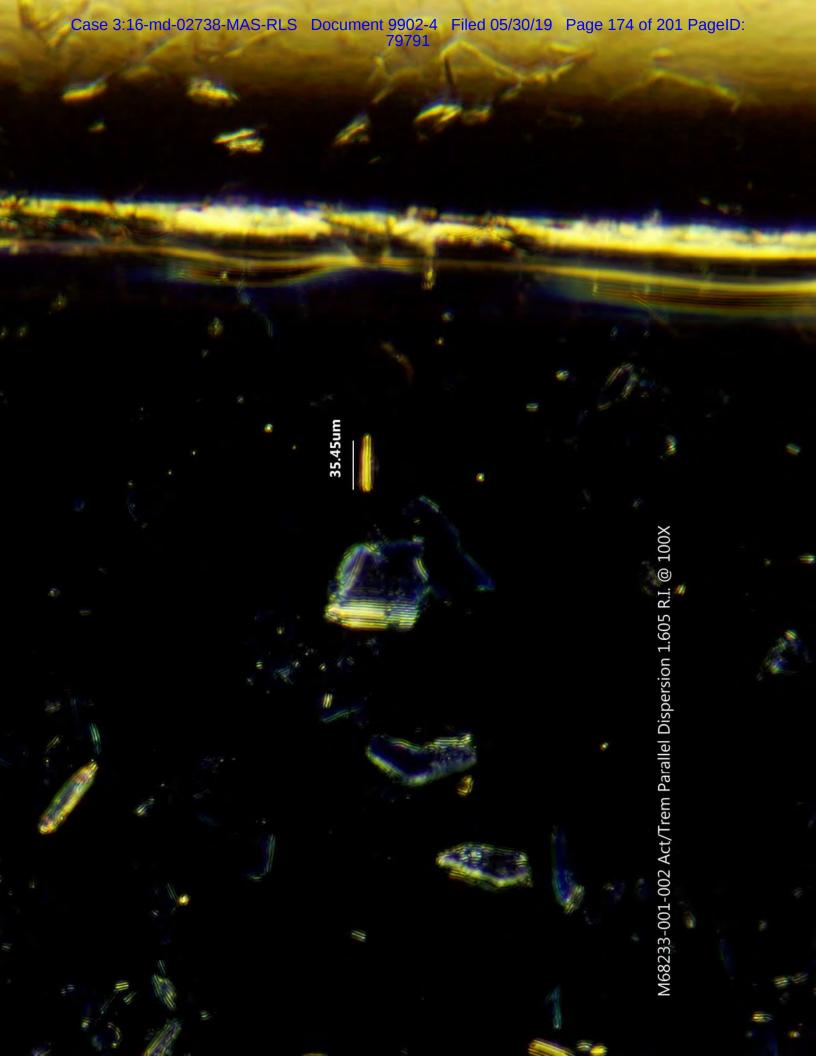
The method detection limit is 1% unless otherwise stated.

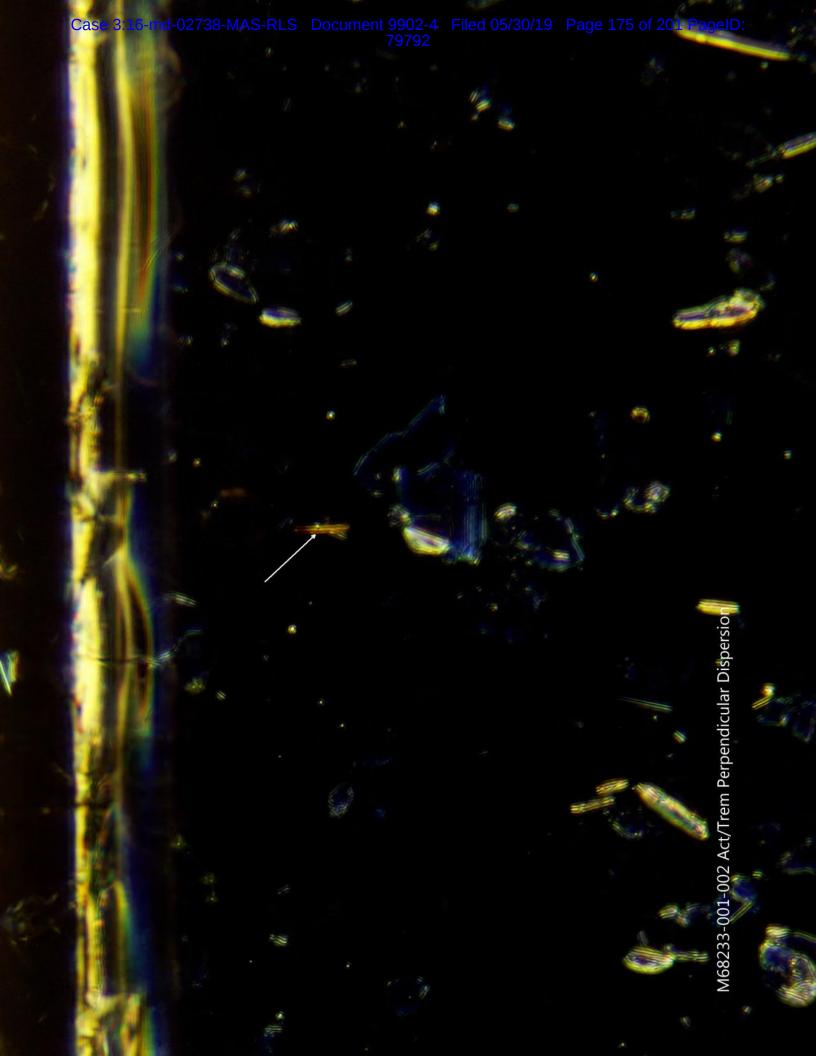
### MAS, LLC PLM ANALYSIS

ientName Lan	M68233 - 001BL	Analyst Paul Hess	Date 8/21/2018
lentivame Lan	ier Law	С	lientSpl
cation			
pe_Mat Joh	nson's Baby Powder (JBI	P084 06A1)	
ross White fl	akey debris from slide		% of Sample 100
	OPTICAL DA	ATA FOR ASBESTOS IDEN	NTIFICATION
Morphology	straight		
Pleochroism	none		
Refract Index	1.625/1.610		
Sign^	positive		
Extinction	oblique		
Birefringence	moderate		
Melt	no		
Fiber Name	Tremolite/Actinolite		
ASBESTOS M	INICDALO	EST. VOL.	2/
			<del></del>
Crocidolite Fremolite/Actin Anthophyllite OTHER FIBRO	olite DUS COMPONENTS	<0.1 ***	
Falc -B/Y DS in ∶	olite DUS COMPONENTS		
Crocidolite Fremolite/Actin Anthophyllite OTHER FIBRO Falc -B/Y DS in	DUS COMPONENTS 1.55	***	
Crocidolite  Fremolite/Actin Anthophyllite  OTHER FIBRO Falc -B/Y DS in 1	DUS COMPONENTS 1.55	***	
Crocidolite  Fremolite/Actin Anthophyllite  OTHER FIBRO Falc -B/Y DS in  ONON FIBROUS  Opaques Falc	DUS COMPONENTS 1.55	***	
Crocidolite Fremolite/Actin Anthophyllite  OTHER FIBRO Falc -B/Y DS in	DUS COMPONENTS  1.55  S COMPONENTS	***  X X	

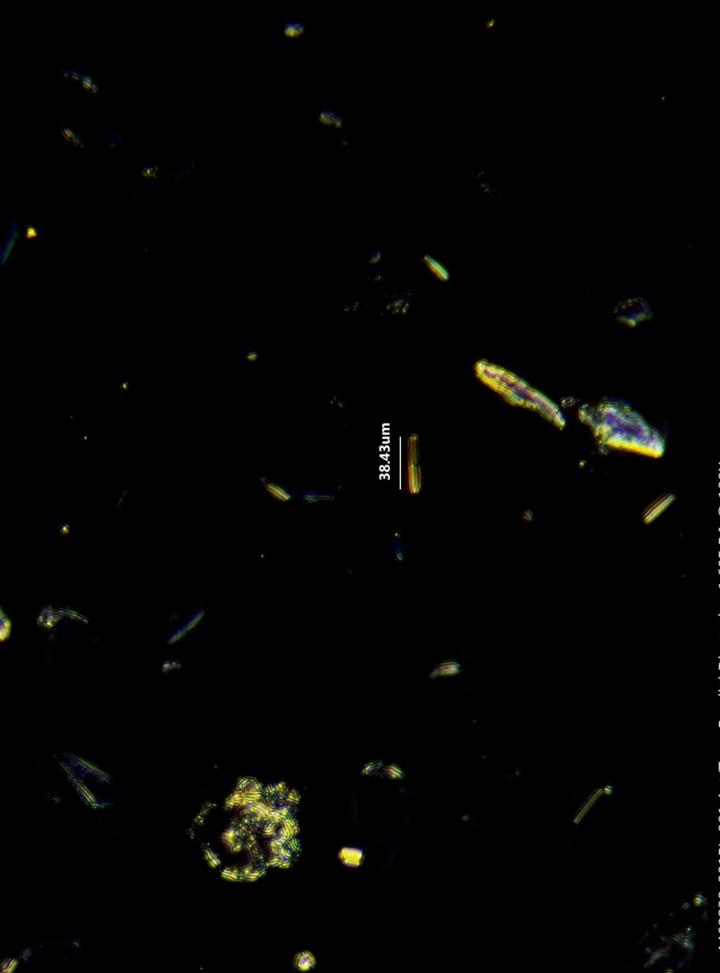
The method detection limit is 1% unless otherwise stated.





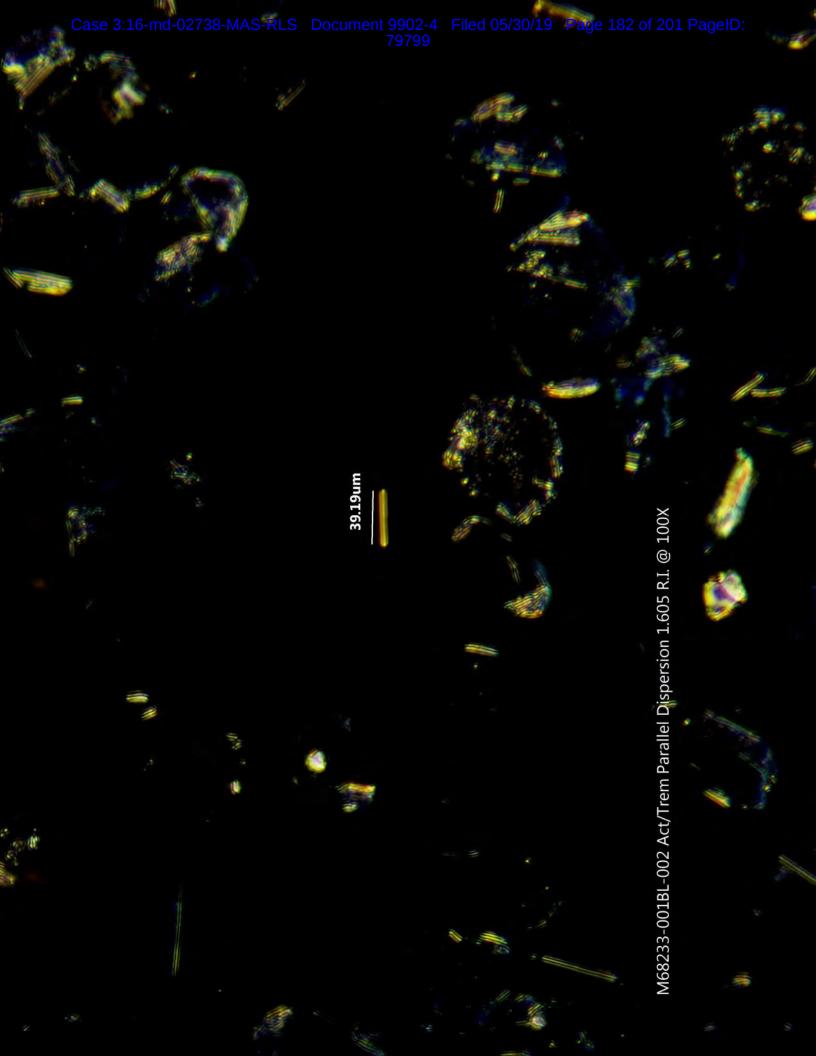


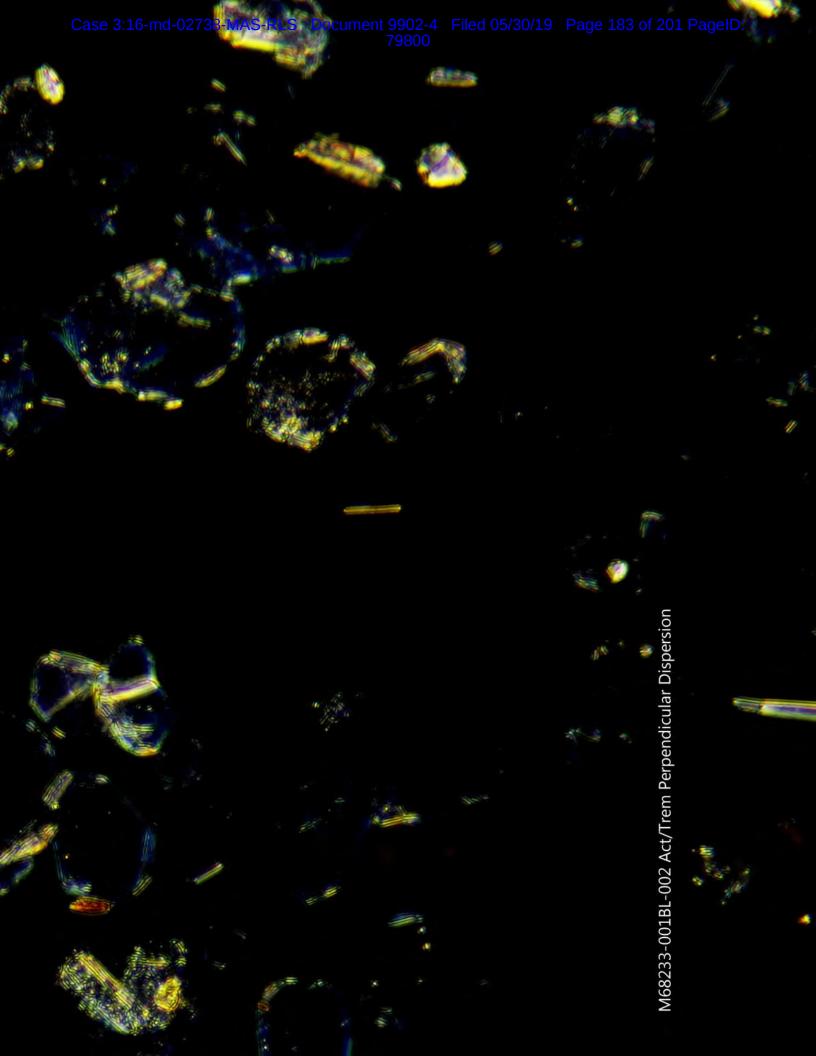




M68233-001BL-001 Act/Trem Parallel Dispersion 1.605 R.I. @ 100X









		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M68233-	-001	Grid Box#	8584	No. of Grids Counted	2
Analyst:	Anthony K	eeton		Length	Width	G. O. Area
Date of Analysis	2/14/20	018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.025	2	G. O. In microns –	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Exa	mined mm²		1.103

O4 #	Cald Caracter	Charleton	Asbestos	1 200.44	NA/C-141-	D-W-	0450	FD-
Str.#	Grid Opening	Structure	Туре	Length	Width	Ratio	SAED	EDS
	A4-B1							
	B2	-						-
	B3	_						
	B4							
	B5							
	B6							_
	B7							
	B8							
	B9							
	B10							
	C1	E				1		
	C2							
	C3	-						
	C4							
	C5							
	C6							
	C7							
	C8							
	C9							
	C10							
	D1							
	D2							
	D3							
	D4							
	D5							
	D6							
	D7							1
	D8							
	D9							
	D10							
	E1							
	E2							1
	E3							
	E4							1
	E5							
	E6							1
	E7							
	E8							
	E9						-	1
	E10						T	1
	F1							1
	F2							+
	F3							1
1	F4	Fiber	Anthophyllite	6.8	0.9	7.6	X	X
- 1	F5	I IDEI	Anthophymie	0.0	0,5	7.0	^	
	F6					_	+	+
	F7							+
	F0							1
	F8 F9							-
	F9							1

		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		_
Project/ Sample No.	M68233-	-001	Grid Box#	8584	No. of Grids Counted	2
Analyst:	Anthony K	eeton		Length	Width	G. O. Area
Date of Analysis	2/14/20	18	C O in microns -	105	105	11025
Initial Weight(g)	0.025	2	G. O. in microns =	105	105	11025
Analysis Type	Post Separation 1	Γalc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Exa	mined mm²		1.103

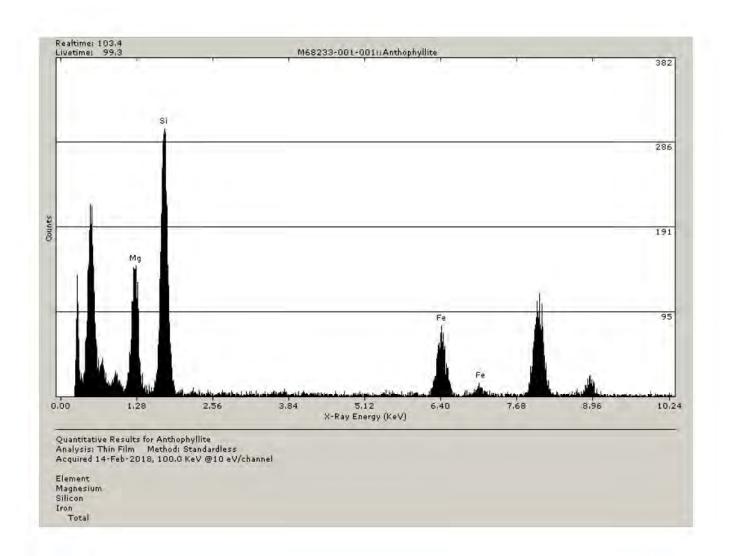
Str.#	Grid Opening	Structure	Asbestos	Longth	Width	Ratio	SAED	EDS
Ju. #		Structure	Туре	Length	width	Natio	SAED	EUS
	B4-B1 B2							-
								-
	B3							-
	B4							-
	B5							1
	B6						<i>t</i>	
	B7							
	B8							
	B9							-
	B10							_
	C1					-		
	C2							
	C3							
	C4							
	C5							
	C6							
	C7							
	C8							
	C9							
	C10					4		
	D1							
	D2							
	D3							
	D4							
	D5					-		
	D6							1
	D7							
	D8							1
	D9							1
	D10							1
	G5							1
	G6							1
	G7							1
	G8							†
	G9							1
	G10							1
	H2							1
	H3							1
	H4							1
	H5	-		-				+
	H6							t
	11 12	-						
	12							+
	13							-
	14							
	15							
	16							
	17							
	18 19							

# 

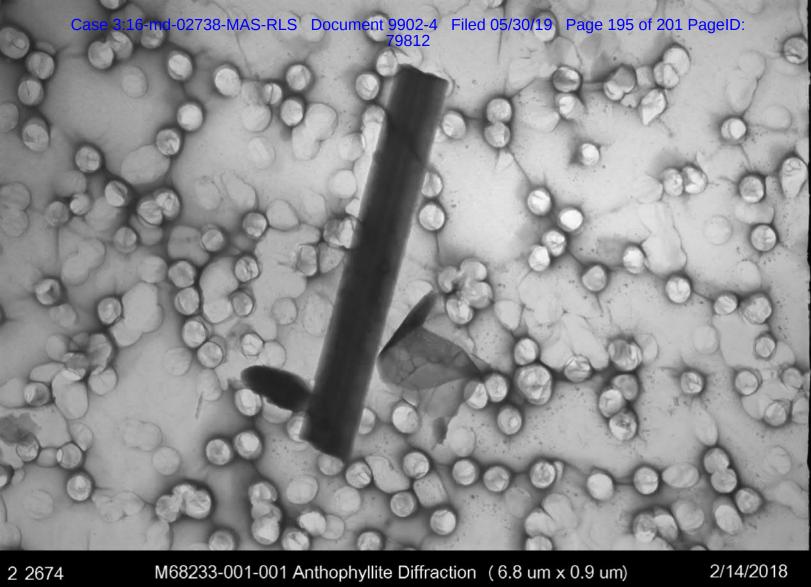
		TEM	<b>Bulk Talc Structure C</b>	ount Sheet		
Project/ Sample No.	M68233	-001	Grid Box#	8584	No. of Grids Counted	2
Analyst:	Anthony K	Ceeton		Length	Width	G. O. Area
Date of Analysis	2/14/20	)18	G. O. in microns =	105	105	11025
Initial Weight(g)	0.025	2	G. O. In microns –	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Exa	mined mm²		1.103

			Asbestos		1		1 (2)	
Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS

Org. Sample Wt.	Sample Wt. Post HL Separation				
0.02520	0.02520	g			
Percent of Orig. Post Separation	100	(%)			
Wt. Of Sample Analyzed	0.00013816	g			
Filter size	201.1	mm²			2.0
Number of Structures Counted Structures	1	Str.	Detection Limit	7.24E+03	Str./g
per Gram of Sample	7.24E+03	Str./g	Analytical Sensitivity	7.24E+03	Str./g



2/14/2018



M68233-001-001 Anthophyllite Diffraction ( 6.8 um x 0.9 um)

2/14/2018

# 

		TEM Bulk	Talc Structur	e Count S	Sheet	
Project/ Sample No.	M6823	3-001	Grid Box#	8584	No. of Grids Counted	2
Analyst:	Anthony	Keeton		Length	Width	G.O. Area
Date of Analysis	2/14/2	2018	G. O. in	105	105	105
Initial Weight(g)	0.025	520	microns =	105	105	105
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area	Examined	mm²	1.103

Str.#	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
NSD	A4-B1	1-2				No Fibrous Tale	Observed

# **Section 12**

## MAS, LLC PLM ANALYSIS

cation ype_Mat John	er Law	2 - 41	ClientSp	002	
				-	
pe Mat .lohn	To the Secretary of the Secretary				
001111	son's Baby Powder (JBF	P084 06A2)			
Gross white por	wder			% of Sample	100
/isual					
	OPTICAL DA	TA FOR ASBESTO	S IDENTIFICA	TION	
Morphology	straight				
Pleochroism	none				
Refract Index	1.625/1.608	. 4 14			- 11
Sign^	positive				
Extinction	oblique				
Birefringence	moderate				
Melt	12 (2)				
	no				
Fiber Name	Tremolite/Actinolite  NERALS	EST.	VOL. %		
Fiber Name  ASBESTOS MII  Chrysotile  Amosite  Crocidolite  Tremolite/Actino Anthophyllite  OTHER FIBRO	Tremolite/Actinolite  NERALS  Dilite		VOL. %		
Fiber Name  ASBESTOS MII  Chrysotile  Amosite  Crocidolite  Tremolite/Actino Anthophyllite  DTHER FIBRO	Tremolite/Actinolite  NERALS  Dilite	<			
Fiber Name  ASBESTOS MII  Chrysotile  Amosite  Crocidolite  Tremolite/Actino Anthophyllite  OTHER FIBRO  Falc -B/Y DS in 1.	NERALS  Ditte	<	0.1		
Fiber Name  ASBESTOS MII  Chrysotile  Amosite  Crocidolite  Tremolite/Actino Anthophyllite  OTHER FIBRO	NERALS  Ditte	***	0.1		

The method detection limit is 1% unless otherwise stated.

## MAS, LLC PLM ANALYSIS

oj#-Spl#	M68233 - 002BL	Allaryst	Paul Hess	Date 8/21/2018
ientName Lan	ier Law		Clier	ntSpl 002
cation				
pe_Mat Joh	nson's Baby Powder (JBI	P084 06A2)		
iross White fl	akey debris from slide			% of Sample 100
	p.			
	OPTICAL DA	ATA FOR AS	BESTOS IDENTI	FICATION
Morphology	straight			
Pleochroism	none			
Refract Index	1.635/1.615			
Sign^	positive			
Extinction	parallel			
Birefringence	low			
Melt	no			
Fiber Name	Anthophyllite			
SBESTOS M	INEDALE		EST. VOL. %	
Amosite Crocidolite				
Amosite Crocidolite Fremolite/Actin Anthophyllite OTHER FIBRO	oolite		< 0.1 ***	
Falc -B/Y DS in ∶	oolite			
Amosite	DUS COMPONENTS		***	
Amosite Crocidolite Fremolite/Actin Anthophyllite OTHER FIBRO Falc -B/Y DS in	DUS COMPONENTS		***	
Amosite Crocidolite Fremolite/Actin Anthophyllite OTHER FIBRO Falc -B/Y DS in OPPORT OP	DUS COMPONENTS		*** X X	
Amosite	DUS COMPONENTS		***	
Amosite Crocidolite Fremolite/Actin Anthophyllite OTHER FIBRO Falc -B/Y DS in ON FIBROUS Opaques Falc	DUS COMPONENTS  1.55  S COMPONENTS		*** X X	
Amosite Crocidolite Fremolite/Actin Anthophyllite OTHER FIBRO Falc -B/Y DS in Dipaques Falc Aineral grains	DUS COMPONENTS  1.55  S COMPONENTS		*** X X	

The method detection limit is 1% unless otherwise stated.

